

CENTERS FOR DISEASE CONTROL



MORBIDITY AND MORTALITY WEEKLY REPORT

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- 1** Summaries of Notifiable Diseases in the United States, 1988
 - 11** Graphs and Maps for Selected Notifiable Diseases in the United States
 - 49** Historical Summary Tables Covering the Period 1939-1988
-

Summary of Notifiable Diseases, United States

1988

**U.S. Department of Health and Human Services
Public Health Service
Epidemiology Program Office
Centers for Disease Control
Atlanta, Georgia 30333**

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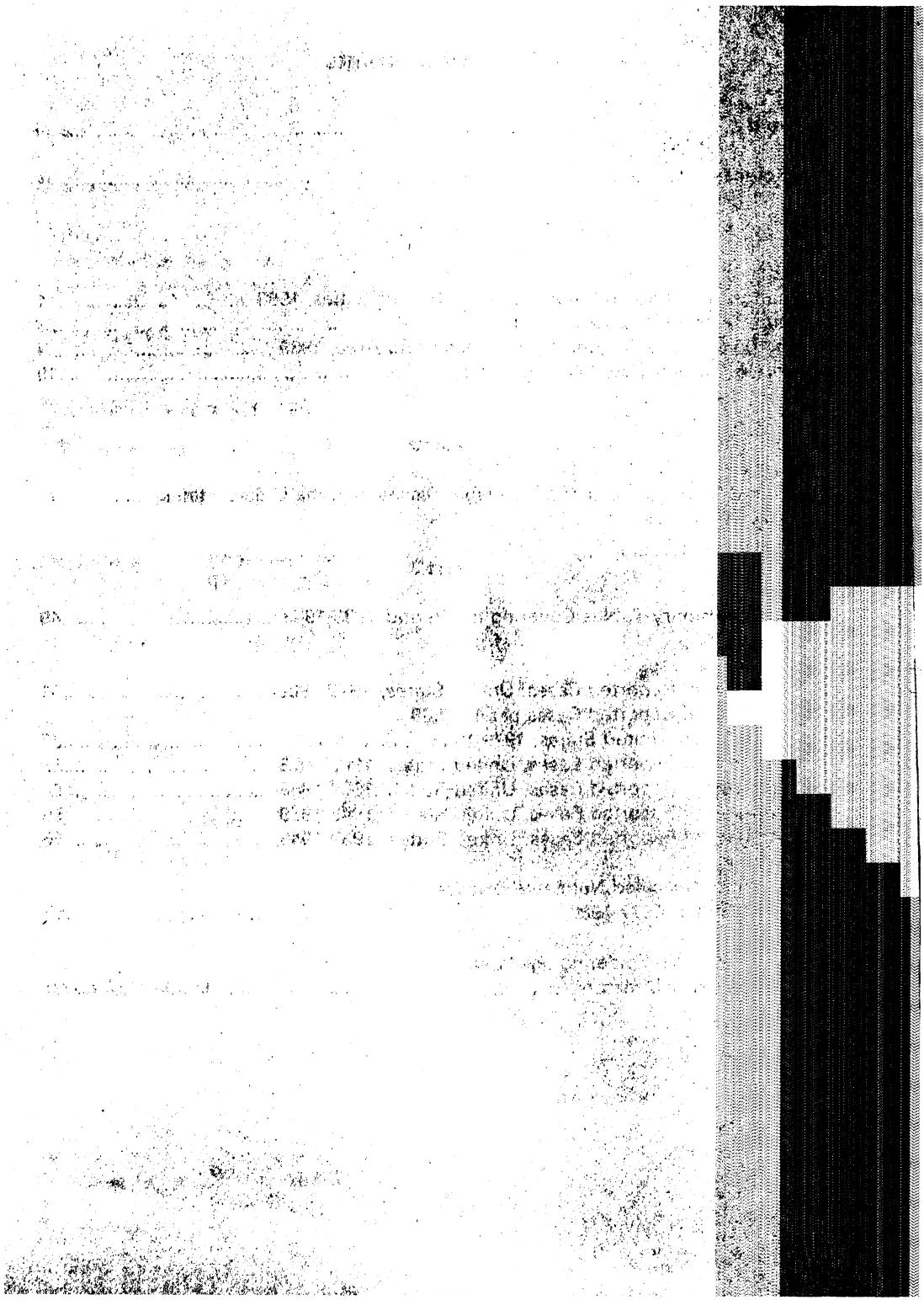
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Foreword

MMWR Summary of Notifiable Diseases, United States, 1988

This publication contains summary tables of the official statistics for calendar year 1988 from the *Morbidity and Mortality Weekly Report (MMWR)* reporting system on the occurrence of notifiable diseases in the United States.

Part 1 contains information on morbidity for each of the 49 currently notifiable conditions. The tables show the number of cases of notifiable diseases reported to the Centers for Disease Control (CDC) for 1988, as well as the distribution of cases by month, geographic location, and patient's age.

Part 2 contains graphs and maps depicting summary data for many of the notifiable conditions described in tabular form in Part 1.

Part 3 includes tables showing the number of cases of notifiable diseases reported to CDC and to the National Office of Vital Statistics for the past 50 years. It also has a table of deaths associated with specified notifiable diseases reported to the National Center for Health Statistics, CDC, for the period 1977-1986.

This statistical summary is the final publication in volume 37 of the *MMWR* series.

Data Sources

Data on the reported occurrence of notifiable diseases are routinely published in the *MMWR* and compiled in final form in this summary from annual reports submitted by the state and territorial departments of health.

Notifiable disease reports published in the *MMWR* are the authoritative and archival counts of cases. Data from surveillance records for selected diseases, which are useful for detailed epidemiologic analyses, are published on a periodic basis.

The Epidemiology Program Office gratefully acknowledges the CDC units listed below for their contributions of statistical data from surveillance program records. Requests for further information regarding these data should be directed to the appropriate source.

Center for Infectious Diseases

AIDS Program (acquired immunodeficiency syndrome)

Division of Bacterial Diseases (toxic-shock syndrome)

Division of Vector-Borne Viral Diseases (arboviral infections of the central nervous system)

Division of Viral Diseases (animal rabies)

Center for Prevention Services

Division of Quarantine (cholera and plague)

Division of Tuberculosis Control (tuberculosis)

Division of Sexually Transmitted Diseases (gonorrhea, syphilis, chancroid, granuloma inguinale, and lymphogranuloma venereum)

Totals for the United States, unless otherwise stated, do not include data for American Samoa, Guam, Puerto Rico, the Virgin Islands, and the Commonwealth of the Northern Mariana Islands (CNMI).

Data in this summary should be interpreted with caution. Some diseases such as plague and rabies that cause severe clinical illness and are associated with serious consequences probably are reported quite accurately. However, diseases such as salmonellosis and mumps that are clinically mild and infrequently associated with serious consequences are less likely to be reported. Additionally, subclinical cases are seldom detected except in the course of special studies. The degree of completeness of reporting is also influenced by the diagnostic facilities available, the control measures in effect, and the interests and priorities of state and local officials responsible for disease control and surveillance. Finally, factors such as the introduction of new diagnostic tests (e.g., for hepatitis B) and the discovery of new disease entities (e.g., infant botulism and legionellosis) may cause changes in disease reporting independent of the true incidence of disease. Despite these limitations, the data in this report have proven to be useful in analyzing trends.

Mortality data are from the National Center for Health Statistics. Each year these data are also published in *Vital Statistics of the United States, Vol. II*.

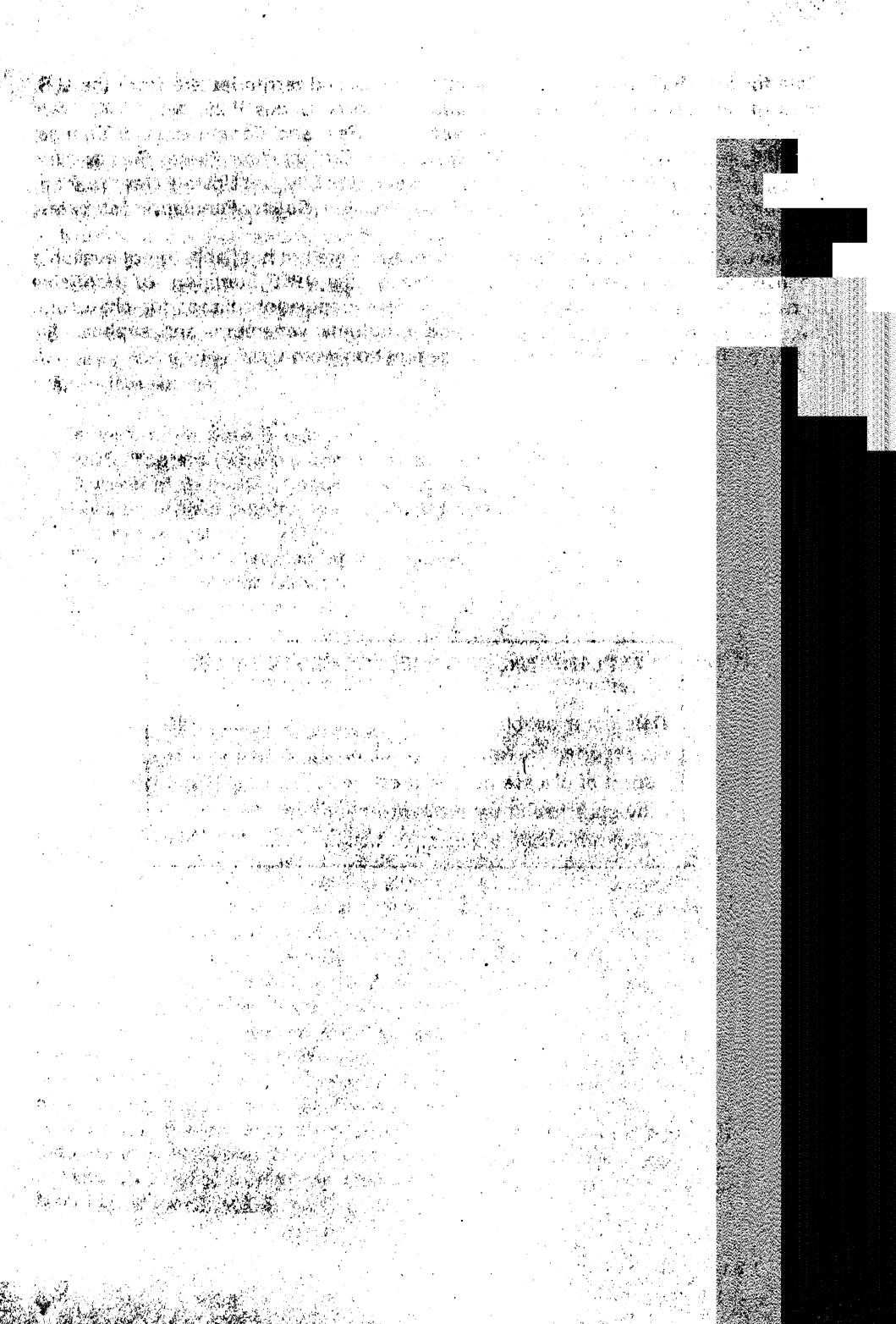
Data on notifiable diseases before 1960 are obtained from publications of the National Office of Vital Statistics.

Data for the 1988 resident population of states and territories are from the U.S. Bureau of the Census, *Current Population Reports*, Series P-25, No. 1044, *State Population and Household Estimates with Age, Sex, and Components of Change, 1981-1988*, and Series P-25, No. 1030, *Population Estimates for Puerto Rico and the Outlying Areas: 1980 to 1987*. Estimates for New York City and Upstate New York are from *Current Population Reports*, Series P-26, No. 88-A, *County Population Estimates: July 1, 1988, 1987, and 1986*.

Population data from states in which diseases were not notifiable or not available were excluded from rate calculation. Rates in the *1988 Summary of Notifiable Diseases* were based on data for the resident population except for chancroid, gonorrhea, granuloma inguinale, lymphogranuloma venereum, and syphilis, for which only data for the civilian resident population were used.

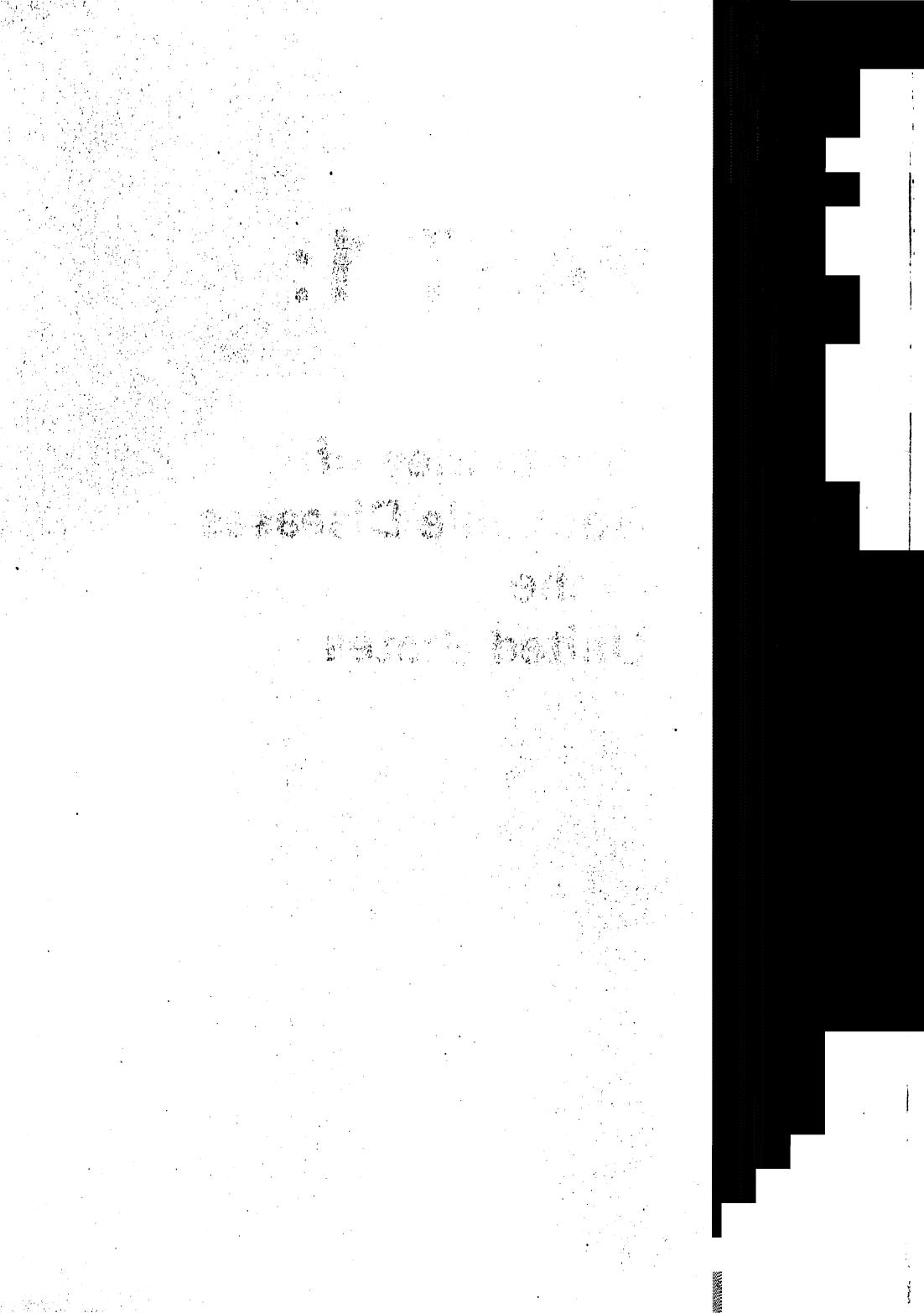
EXPLANATION OF SYMBOLS USED IN TABLES

Data not available	NA
No reported cases	-
Report of disease not required by state health department (not notifiable)	NN



PART 1:

**Summaries of
Notifiable Diseases
in the
United States**



NOTIFIABLE DISEASES – Summary of reported cases, by month, United States, 1988

Disease	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Acquired immunodeficiency syndrome (AIDS)*	31,001	1,968	2,365	3,074	2,688	2,616	2,576	2,797	3,048	2,356	1,829	2,656	3,028	—
Amebiasis	2,860	172	204	156	268	237	222	242	275	261	305	227	286	5
Anthrax	2	—	—	—	—	—	—	—	—	—	1	—	1	—
Aseptic meningitis	7,234	344	296	374	341	373	510	659	889	1,023	972	752	701	—
Botulism, total†	84	5	6	4	5	7	7	13	4	5	6	8	11	3
Botulism, food-borne	28	1	2	1	—	2	4	9	1	—	3	2	3	—
Botulism, infant	50	3	3	3	5	5	3	3	3	5	3	4	7	3
Brucellosis	96	4	9	10	8	8	7	8	5	8	10	2	17	—
Cholera	8	—	—	—	—	—	—	—	4	2	2	4	—	—
Diphtheria	2	—	—	—	—	—	—	—	—	—	—	—	2	—
Encephalitis, primary infections	882	62	61	57	57	69	68	74	103	95	79	68	89	—
Encephalitis, post infectious	121	5	5	10	16	9	15	15	12	14	8	4	8	—
Gonorrhea§	719,536	59,489	59,848	65,637	57,256	58,535	64,335	60,528	59,085	65,070	58,967	51,642	59,144	—
Hepatitis A	28,507	1,541	2,249	2,356	2,292	1,909	1,840	2,198	2,328	2,440	2,751	2,627	3,947	29
Hepatitis B	23,177	1,276	1,703	1,980	2,200	1,821	1,798	2,092	2,000	1,873	1,861	1,827	2,678	68
Hepatitis, non-A non-B	2,619	148	181	255	268	202	218	247	217	180	199	193	307	4
Hepatitis, unspecified	2,470	181	200	170	199	160	158	171	217	174	268	253	316	3
Legionellosis	1,085	54	83	71	81	89	84	102	111	95	99	91	123	2
Leprosy	184	6	11	28	23	10	16	8	19	3	14	24	22	—
Leptospirosis	54	6	3	4	1	2	3	3	2	6	14	1	9	—
Malaria	1,099	46	61	61	63	63	92	117	129	170	107	76	113	1
Measles (rubeola)	3,396	119	207	229	315	576	430	238	207	165	135	214	555	6
Meningococcal infections, total	2,964	262	300	367	364	295	211	200	141	147	185	209	279	4
Civilian	2,963	262	299	367	364	295	211	200	141	147	185	209	279	4
Military	1	—	1	—	—	—	—	—	—	—	—	—	—	—
Mumps	4,866	284	410	562	624	546	398	276	208	227	323	384	624	—
Pertussis	3,450	103	197	312	248	144	175	278	378	353	386	309	567	—
Plague	15	—	1	—	—	—	3	6	4	—	—	1	—	—
Poliomyelitis, paralytic†	9	—	—	—	1	2	—	1	2	—	—	3	—	—
Psittacosis	114	4	13	6	8	7	8	11	7	10	16	6	18	—
Rabies, human	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever	158	9	24	18	17	17	12	16	5	8	3	6	23	—
Rubella (German Measles)	225	13	24	18	18	18	29	13	22	21	8	8	33	—
Rubella congenital syndrome	6	—	—	—	1	2	—	—	—	—	1	—	2	—
Salmonellosis (excl. typhoid fever)	48,948	2,219	2,381	2,454	3,091	2,854	3,827	5,718	6,499	5,983	5,605	3,991	4,324	2
Shigellosis	30,617	1,288	1,259	1,305	1,514	1,479	2,570	2,957	3,880	4,137	3,766	2,829	3,623	10
Syphilis, primary & secondary§	40,117	2,392	3,202	3,285	3,382	3,025	3,275	3,528	3,552	3,662	3,479	3,378	3,957	—
Tetanus	53	4	1	4	6	5	2	5	8	4	7	4	3	—
Toxic-shock syndrome	390	19	35	26	35	28	24	43	42	33	42	22	41	—
Trichinosis	45	1	1	—	2	2	28	—	—	1	2	2	6	—
Tuberculosis	22,436	1,177	1,459	1,692	1,826	1,802	1,876	2,001	1,933	1,918	1,885	1,745	3,122	—
Tularemia	201	11	4	3	10	19	32	30	25	19	15	16	16	1
Typhoid fever	436	24	34	26	27	29	39	18	38	62	56	41	42	—
Typhus fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Flea-borne (endemic, murine)	54	1	1	5	—	5	5	14	7	6	4	1	5	—
Tick-borne (Rocky Mountain spotted)	609	6	6	7	17	52	88	155	98	78	54	18	30	—
Varicella (chickenpox)	192,857	15,779	21,886	29,084	30,214	30,512	26,387	6,969	2,089	1,594	3,477	9,116	15,698	52

*AIDS total updated through December 31, 1988.

†Includes wound and unspecified botulism.

‡Civilian cases only.

§Subject to change due to retrospective case evaluations or late reports.

SUMMARY TABLES — 1988

NOTIFIABLE DISEASES--Reported cases, by geographic division and area, United States, 1988

Area	Total Resident Population (In Thousands)	AIDS	Amebiasis	Anthrax	Aseptic Meningitis	Botulism		
						Food-borne	Infant	Other
United States	245,807	31,001*	2,860	2	7,234	28	50	6†
New England	12,963	1,288	134	—	408	—	1	—
Maine	1,205	27	9	—	22	—	—	—
N.H.	1,085	39	5	—	40	—	—	—
Vt.	557	10	6	—	30	—	—	—
Mass.	5,889	711	55	—	159	—	—	—
R.I.	993	85	9	—	93	—	—	—
Conn.	3,233	416	50	—	64	—	1	—
Mid. Atlantic	37,631	10,279	318	1	748	—	18	—
N.Y. (excl.NYC)	10,556	1,341	61	—	404	—	—	—
N.Y.C.	7,353	5,620	104	—	144	—	—	—
N.J.	7,721	2,466	115	1	1	—	6	—
Pa.	12,001	852	38	—	199	—	12	—
E.N. Central	42,119	2,154	264	—	1,302	—	1	—
Ohio	10,855	499	63	—	444	—	1	—
Ind.	5,556	80	24	—	112	—	—	—
III.	11,614	1,006	60	—	265	—	—	—
Mich.	9,240	457	41	—	421	—	—	—
Wis.	4,855	112	76	—	60	—	—	—
W.N. Central	17,759	779	119	—	329	—	1	—
Minn.	4,307	167	27	—	62	—	—	—
Iowa	2,834	43	17	—	37	—	—	—
Mo.	5,141	413	30	—	124	—	—	—
N. Dak.	667	4	—	—	9	—	—	—
S. Dak.	713	7	3	—	19	—	—	—
Nebr.	1,602	51	6	—	14	—	—	—
Kans.	2,495	94	36	—	64	—	1	—
S. Atlantic	42,426	5,485	187	—	1,520	2	4	—
Del.	660	63	3	—	44	—	1	—
Md.	4,622	552	16	—	213	1	1	—
D.C.	617	506	—	—	21	—	—	—
Va.	6,015	347	19	—	210	—	—	—
W. Va.	1,876	21	1	—	37	—	—	—
N.C.	6,489	282	17	—	175	—	1	—
S.C.	3,470	172	NN	—	23	—	—	—
Ga.	6,342	828	76	—	179	—	—	—
Fla.	12,335	2,714	55	—	618	1	—	—
E.S. Central	15,344	776	24	—	509	—	1	—
Ky.	3,727	94	12	—	143	—	1	—
Tenn.	4,895	342	NN	—	106	—	—	—
Ala.	4,102	214	4	—	189	—	—	—
Miss.	2,620	126	8	—	71	—	—	—
W.S. Central	26,885	2,861	266	1	926	1	4	—
Ark.	2,395	81	1	—	29	—	1	—
La.	4,408	384	8	—	140	—	—	—
Okla.	3,242	153	5	—	82	—	—	—
Tex.	16,841	2,243	252	1	675	1	3	—
Mountain	13,328	904	102	—	237	2	5	—
Mont.	805	17	2	—	5	—	—	—
Idaho	1,003	11	6	—	3	—	—	—
Wyo.	479	6	—	—	2	—	—	—
Colo.	3,301	329	28	—	76	1	—	—
N. Mex.	1,507	59	10	—	24	—	—	—
Ariz.	3,489	281	40	—	85	—	1	—
Utah	1,690	81	12	—	26	1	4	—
Nev.	1,054	120	4	—	16	—	—	—
Pacific	37,351	6,475	1,446	—	1,255	23	15	6
Wash.	4,648	362	69	—	—	3	4	—
Oreg.	2,767	178	85	—	—	3	—	2
Calif.	28,314	5,812	1,277	—	1,114	1	6	3
Alaska	524	19	14	—	25	15	—	—
Hawaii	1,098	104	1	—	116	1	5	1
Guam	NA	1	2	—	70	—	—	—
P.R.	NA	1,276	3	—	87	—	—	—
V.I.	NA	32	—	—	—	—	—	—
American Samoa	NA	—	—	—	2	—	—	—
C.N.M.I.	NA	1	35	—	1	—	—	—

*AIDS total updated through December 31, 1988.

†Includes wound and unspecified botulism.

NOTIFIABLE DISEASES--Reported cases, by geographic division and area, United States, 1988 (continued)

Area	Brucellosis	Chancroid	Cholera	Diphtheria	Encephalitis			
					Primary Infections	Post-Infections	Gonorrhea	Granuloma Inguinale
United States	96	5,001*	8	2	882	121	719,536*	11*
New England	3	52	—	—	34	4	21,320	—
Maine	—	—	—	—	3	—	389	—
N.H.	—	—	—	—	1	3	320	—
Vt.	—	—	—	—	9	—	118	—
Mass.	2	46	—	—	10	1	7,445	—
R.I.	—	2	—	—	—	—	2,044	—
Conn.	1	4	—	—	11	—	11,004	—
Mid. Atlantic	7	3,266	—	1	74	9	116,056	1
N.Y. (Excl.NYC)	3	198	—	1	38	1	7,886	—
N.Y.C.	4	3,067	—	—	6	6	57,674	1
N.J.	—	—	—	—	30	2	18,182	—
Pa.	—	1	—	—	—	—	32,314	—
E.N. Central	15	21	—	—	252	13	122,010	2
Ohio	2	—	—	—	66	3	27,870	—
Ind.	—	2	—	—	29	—	9,399	—
Ill.	3	5	—	—	81	10	37,572	—
Mich.	6	14	—	—	51	—	37,444	—
Wis.	4	—	—	—	25	—	9,725	2
W.N. Central	6	3	1	—	64	12	30,007	—
Minn.	1	—	—	—	19	4	3,986	—
Iowa	—	1	—	—	9	4	2,333	—
Mo.	4	1	—	—	—	—	17,347	—
N. Dak.	—	—	—	—	4	—	196	—
S. Dak.	—	—	—	—	10	1	477	—
Nebr.	1	—	—	—	13	2	1,241	—
Kans.	—	1	1	—	9	1	4,427	—
S. Atlantic	11	1,201	2	1	123	44	194,501	7
Del.	—	—	—	—	5	—	3,203	—
Md.	1	—	1	—	11	7	12,277	—
D.C.	—	—	—	—	2	1	15,404	—
Va.	1	5	—	—	41	4	14,464	4
W. Va.	—	—	—	—	23	—	1,411	—
N.C.	—	7	—	—	21	—	27,829	2
S.C.	1	—	—	—	—	1	15,038	—
Ga.	3	314	1	1	4	—	39,584	—
Fla.	5	875	—	—	16	31	65,291	1
E.S. Central	4	2	—	—	58	8	54,270	—
Ky.	—	—	—	—	18	1	5,508	—
Tenn.	1	—	—	—	14	—	19,336	—
Ala.	1	1	—	—	26	2	15,941	—
Miss.	2	1	—	—	—	5	13,485	—
W.S. Central	28	437	2	—	119	4	72,336	—
Ark.	3	2	—	—	8	—	7,385	—
La.	1	11	1	—	26	1	13,535	—
Oklahoma	2	—	—	—	14	—	7,053	—
Tex.	22	424	1	—	71	3	44,363	—
Mountain	1	8	2	—	26	5	16,143	—
Mont.	—	—	—	—	—	—	383	—
Idaho	—	—	—	—	—	—	348	—
Wyo.	—	—	—	—	—	—	193	—
Colo.	—	—	1	—	4	—	3,524	—
N. Mex.	1	—	—	—	3	1	1,533	—
Ariz.	—	8	—	—	15	—	6,195	—
Utah	—	—	—	—	4	1	530	—
Nev.	—	—	1	—	—	3	3,437	—
Pacific	21	11	1	—	132	22	92,893	1
Wash.	1	—	—	—	10	4	7,330	1
Oreg.	—	—	—	—	—	—	3,219	—
Calif.	20	11	1	—	116	18	80,751	—
Alaska	—	—	—	—	4	—	1,048	—
Hawaii	—	—	—	—	2	—	545	—
Guam	—	—	1	—	—	1	130	—
P.R.	—	13	—	—	3	1	1,681	—
V.I.	—	—	—	—	—	—	88	—
American Samoa	—	—	—	—	—	—	—	—
C.N.M.I.	—	—	—	—	—	—	—	—

*Civilian cases only.

SUMMARY TABLES — 1988

NOTIFIABLE DISEASES--Reported cases, by geographic division and area, United States, 1988 (continued)

Area	Hepatitis A	Hepatitis B	Hepatitis unsp.	Hepatitis non-A non-B	Legionellosis	Leprosy	Leptospirosis	Lymphogranuloma venereum	Malaria
United States	28,507	23,177	2,470	2,619	1,085	184	54	185*	1,099
New England	898	1,166	85	86	53	15	—	2	75
Maine	18	56	2	5	4	—	—	—	3
N.H.	48	64	4	10	6	—	—	—	3
Vt.	17	60	5	9	5	—	—	—	5
Mass.	383	649	57	38	35	14	—	2	36
R.I.	85	86	4	11	3	1	—	—	7
Conn.	347	251	13	13	—	—	—	—	21
Mid. Atlantic	2,341	3,144	275	177	245	5	1	53	230
N.Y. (Excl.NYC)	830	761	20	80	81	—	1	3	46
N.Y.C.	334	1,243	227	21	49	3	—	50	89
N.J.	259	497	1	21	40	1	—	—	59
Pa.	918	643	27	55	75	1	—	—	36
E.N. Central	2,000	2,392	130	264	270	9	2	4	72
Ohio	335	557	18	45	87	—	1	1	11
Ind.	172	356	28	20	32	—	—	1	4
Ill.	851	585	43	103	36	8	—	2	22
Mich.	430	671	41	63	69	1	1	—	25
Wis.	212	223	—	33	46	—	—	—	10
W.N. Central	1,538	1,113	41	115	78	1	1	3	18
Minn.	105	156	6	27	6	—	—	—	6
Iowa	50	84	4	13	19	—	—	1	2
Mo.	897	639	21	50	20	—	—	2	6
N. Dak.	11	19	6	3	1	—	—	—	—
S. Dak.	30	9	—	3	14	—	—	—	—
Nebr.	49	47	—	2	5	—	1	—	1
Kans.	396	159	4	17	13	1	—	—	3
S. Atlantic	2,583	4,876	405	398	163	2	5	96	143
Del.	50	137	6	8	18	—	—	—	1
Md.	307	691	47	49	30	1	—	—	27
D.C.	18	51	1	4	1	—	—	1	16
Va.	362	343	257	77	11	—	—	—	23
W. Va.	17	73	4	5	—	—	—	3	3
N.C.	419	848	—	95	31	—	3	3	17
S.C.	40	537	6	12	27	—	—	1	10
Ga.	628	716	8	16	28	—	1	28	7
Fla.	742	1,480	76	132	17	1	1	60	39
E.S. Central	695	1,399	20	177	53	3	1	2	22
Ky.	434	229	3	56	16	—	—	2	1
Tenn.	156	631	—	43	17	—	1	—	—
Ala.	56	330	11	61	14	2	—	—	10
Miss.	49	209	6	17	6	1	—	—	11
W.S. Central	3,950	2,428	651	247	57	43	2	16	101
Ark.	480	138	19	20	11	—	—	2	4
La.	181	427	20	32	8	8	2	14	13
Okla.	550	209	35	46	18	—	—	—	11
Tex.	2,739	1,654	577	149	20	35	—	—	73
Mountain	3,707	1,603	174	261	65	1	—	1	49
Mont.	47	55	4	10	3	—	—	—	5
Idaho	133	114	2	12	2	—	—	—	2
Wyo.	8	12	—	4	3	—	—	—	—
Colo.	281	205	80	72	11	1	—	—	19
N. Mex.	582	229	2	21	6	—	—	—	3
Ariz.	2,083	633	57	81	24	—	—	1	13
Utah	349	137	20	39	11	—	—	—	5
Nev.	224	218	9	22	5	—	—	—	2
Pacific	10,795	5,056	689	894	101	105	42	8	389
Wash.	2,660	974	82	232	28	8	—	1	25
Oreg.	1,483	611	22	105	7	2	—	—	19
Calif.	6,043	3,351	569	543	62	73	2	7	331
Alaska	596	53	11	9	—	1	—	—	3
Hawaii	13	67	5	5	4	21	40	—	11
Guam	8	16	1	1	1	5	1	—	—
P.R.	62	243	37	33	—	3	1	—	2
V.I.	1	8	2	—	—	—	—	—	—
American Samoa	20	2	11	—	—	3	—	—	—
C.N.M.I.	1	3	3	—	—	1	—	—	1

*Civilian cases only.

NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1988 (continued)

Area	Measles		Meningo-coccal Infections	Mumps	Pertussis	Plague	Polio-myelitis Paralytic		Psittacosis
	Indigenous	Imported							
United States	3,058	338*	2,964	4,866	3,450	15	9†	114	
New England	75	53	246	139	326	—	1	14	
Maine	7	—	10	—	24	—	—	1	
N.H.	57	43	28	106	47	—	—	2	
Vt.	—	—	18	6	5	—	—	—	
Mass.	4	2	103	17	211	—	1	3	
R.I.	—	—	20	NN	17	—	—	2	
Conn.	7	8	67	10	22	—	—	6	
Mid. Atlantic	978	62	439	295	352	—	—	17	
N.Y. (Excl.NYC)	22	18	145	110	242	—	—	9	
N.Y.C.	50	7	103	—	12	—	—	—	
N.J.	392	13	88	57	32	—	—	2	
Pa.	514	24	103	128	66	—	—	6	
E.N. Central	163	110	404	972	355	—	2	22	
Ohio	24	85	147	144	60	—	—	3	
Ind.	57	—	33	84	82	—	—	—	
Ill.	56	16	94	348	97	—	1	3	
Mich.	26	5	92	236	38	—	—	5	
Wis.	—	4	38	160	78	—	1	11	
W.N. Central	74	3	101	330	184	—	1	8	
Minn.	10	1	23	2	102	—	—	3	
Iowa	—	1	—	43	35	—	—	2	
Mo.	64	1	33	68	25	—	1	3	
N. Dak.	—	—	1	—	11	—	—	—	
S. Dak.	—	—	6	1	5	—	—	—	
Nebr.	—	—	13	11	—	—	—	—	
Kans.	—	—	25	205	6	—	—	—	
S. Atlantic	417	22	492	798	274	—	1	8	
Del.	—	—	3	1	7	—	—	—	
Md.	13	6	57	204	43	—	—	2	
D.C.	—	—	11	294	1	—	—	—	
Va.	238	1	59	139	29	—	—	—	
W. Va.	6	—	10	19	10	—	—	—	
N.C.	—	5	76	52	71	—	—	4	
S.C.	—	—	37	9	1	—	1	1	
Ga.	—	—	78	37	40	—	—	—	
Fla.	160	10	161	43	72	—	—	1	
E.S. Central	71	—	264	415	110	—	—	—	
Ky.	36	—	48	185	9	—	—	—	
Tenn.	—	—	154	214	35	—	—	—	
Ala.	—	—	41	16	62	—	—	—	
Miss.	35	—	21	NN	4	—	—	—	
W.S. Central	291	5	208	1,122	294	1	2	2	
Ark.	—	1	25	180	44	—	—	—	
La.	—	1	61	365	21	—	—	—	
Okl.	8	—	24	250	71	—	1	—	
Tex.	283	3	98	327	158	1	1	2	
Mountain	172	37	78	226	1,043	12	1	10	
Mont.	55	31	1	2	4	—	—	2	
Idaho	—	1	8	11	370	—	—	—	
Wyo.	—	—	—	7	2	—	1	—	
Colo.	113	3	21	33	75	4	—	4	
N. Mex.	—	—	13	NN	54	7	—	2	
Ariz.	4	—	22	148	492	1	—	2	
Utah	—	2	11	9	44	—	—	—	
Nev.	—	—	2	16	2	—	—	—	
Pacific	817	46	732	569	512	2	1	33	
Wash.	7	—	76	44	131	—	1	7	
Oreg.	4	3	47	NN	53	—	—	10	
Calif.	802	34	585	494	270	2	—	15	
Alaska	1	1	8	13	8	—	—	1	
Hawaii	3	8	16	18	50	—	—	—	
Guam	1 [§]	—	—	4	—	—	—	—	
P.R.	289	—	12	8	16	—	—	—	
V.I.	—	—	—	21	—	—	—	—	
American Samoa	1 [§]	—	2	6	1	—	—	—	
C.N.M.I.	—	—	1	3	—	—	—	—	

*For measles only, imported includes both out-of-state and international importations.

†Subject to change due to retrospective case evaluations or late reports.

[§]Classification unknown.

SUMMARY TABLES — 1988

NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1988 (continued)

Area	Rabies*		Rubella				Syphilis			
	Animal	Rheumatic			Cong.	Salmonel-	Shigel-	Primary &	Cong.	All
		Fever acute	Rubella	syndrome		losis	losis	Secondary	<1 yr.)	Stages
United States	4,651	158	225	6	48,948	30,617	40,117 [†]	691 [†]	103,437 [†]	
New England	16	4	10	—	4,645	776	1,220	5	2,356	
Maine	1	1	—	—	218	11	15	—	26	
N.H.	4	1	5	—	217	57	9	—	29	
Vt.	—	2	—	—	90	68	3	—	5	
Mass.	3	NN	4	—	2,593	419	438	3	972	
R.I.	—	—	1	—	322	35	31	—	101	
Conn.	8	—	—	—	1,205	186	724	2	1,223	
Mid. Atlantic	598	1	13	2	8,615	1,631	8,291	197	19,614	
N.Y. (Excl.NYC)	40	NN	2	—	2,129	489	770	3	1,503	
N.Y.C.	—	1	5	2	1,658	425	5,018	168	12,058	
N.J.	15	NN	4	—	2,391	332	1,041	5	2,561	
Pa.	543	NN	2	—	2,437	385	1,462	21	3,492	
E.N. Central	164	61	35	—	7,534	4,339	1,288	24	3,338	
Ohio	6	31	1	—	1,286	266	111	2	227	
Ind.	36	NA	—	—	745	845	66	—	241	
Ill.	32	9	30	—	2,893	1,972	594	16	1,626	
Mich.	35	14	4	—	1,383	734	477	6	1,106	
Wis.	55	7	—	—	1,227	522	40	—	138	
W.N. Central	657	25	2	—	2,609	1,902	257	—	881	
Minn.	142	6	—	—	759	495	21	—	108	
Iowa	175	1	—	—	246	320	29	—	100	
Mo.	36	NN	—	—	772	607	155	—	472	
N. Dak.	105	—	—	—	98	28	—	—	—	
S. Dak.	137	8	—	—	109	87	—	—	13	
Nebr.	21	NN	—	—	267	271	20	—	49	
Kans.	41	10	2	—	358	94	32	—	139	
S. Atlantic	1,492	8	18	1	9,817	4,686	14,269	262	32,806	
Del.	61	NN	—	—	268	42	104	2	213	
Md.	338	NN	1	—	1,612	734	497	3	1,085	
D.C.	13	NN	—	—	264	137	738	5	1,677	
Va.	366	NN	11	—	1,733	497	449	4	1,400	
W. Va.	103	8	—	—	231	19	12	—	239	
N.C.	8	NN	1	1	1,125	352	840	7	2,051	
S.C.	127	NN	—	—	632	172	730	12	1,495	
Ga.	292	NN	2	—	1,517	738	2,521	6	5,379	
Fla.	184	NN	3	—	2,435	1,995	8,378	223	19,267	
E.S. Central	320	2	2	1	2,469	1,789	2,113	28	4,882	
Ky.	106	2	—	—	506	222	68	—	258	
Tenn.	111	NN	2	—	530	864	954	22	2,023	
Ala.	94	NN	—	1	858	523	570	4	1,395	
Miss.	9	—	—	—	575	180	521	2	1,206	
W.S. Central	576	—	35	—	4,067	4,139	4,445	43	12,995	
Ark.	91	—	4	—	495	303	264	—	645	
La.	13	—	—	—	758	779	916	1	2,240	
Okla.	38	NN	1	—	480	231	141	—	465	
Tex.	434	NN	30	—	2,334	2,826	3,124	42	9,645	
Mountain	382	57	5	—	1,992	2,967	1,036	—	2,901	
Mont.	214	NN	—	—	96	261	6	—	17	
Idaho	11	NN	—	—	65	42	2	—	62	
Wyo.	39	7	—	—	30	13	1	—	2	
Colo.	28	11	2	—	571	358	110	—	338	
N. Mex.	15	4	—	—	329	788	81	—	468	
Ariz.	45	NN	—	—	578	1,359	257	—	1,000	
Utah	10	35	3	—	159	90	15	—	107	
Nev.	20	—	—	—	164	56	564	—	907	
Pacific	446	—	105	2	7,200	8,388	7,198	132	23,664	
Wash.	4	NA	—	—	612	306	265	2	815	
Oreg.	6	NN	—	1	404	112	324	9	811	
Calif.	402	—	85	1	5,621	7,892	6,572	121	21,945	
Alaska	34	—	—	—	77	19	10	—	25	
Hawaii	—	—	20	—	486	59	27	—	68	
Guam	—	—	—	—	129	72	—	—	21	
P.R.	73	—	3	—	560	119	715	11	2,915	
V.I.	—	—	—	—	14	2	—	—	7	
American Samoa	—	8	—	—	3	9	—	—	—	
C.N.M.I.	—	2	—	—	1	7	—	—	—	

*No cases of human rabies were reported for 1988.

[†]Civilian cases only.

NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1988 (continued)

Area							Typhus fever		Varicella (Chicken-pox)
	Tetanus	Toxic-shock syndrome	Trichinosis	Tuberculosis	Tularemia	Typhoid fever	Murine	RMSF	
United States	53	390	45	22,436	201	436	54	609	192,857
New England	2	23	2	610	5	37	—	10	16,091
Maine	—	4	—	28	—	—	—	—	1,894
N.H.	—	4	—	15	—	—	—	—	3,588
Vt.	—	2	—	6	—	1	—	—	NN
Mass.	1	10	2	381	4	21	—	4	7,531
R.I.	—	—	—	39	—	7	—	2	2,953
Conn.	1	3	—	141	1	8	—	4	125*
Mid. Atlantic	4	63	5	4,536	5	92	3	18	15,284
N.Y. (Excl.N.Y.C.)	4	24	3	688	—	16	2	10	11,911
N.Y.C.	—	8	—	2,317	1	55	—	1	3,373
N.J.	—	9	—	793	1	16	—	2	NN
Pa.	—	22	2	738	3	5	1	5	NN
E.N. Central	6	57	4	2,430	12	55	1	34	88,497
Ohio	1	27	—	433	—	6	—	22	8,465
Ind.	—	1	—	295	—	2	—	2	NN
Ill.	3	14	—	1,079	11	38	—	8	37,483
Mich.	1	15	4	522	1	5	1	2	42,549
Wis.	1	—	—	101	—	4	—	—	NA
W.N. Central	3	51	1	545	76	9	1	92	22,242
Minn.	2	7	—	91	3	5	—	2	NN
Iowa	—	7	—	57	—	—	—	—	8,013
Mo.	1	14	1	275	45	3	—	54	11,350
N. Dak.	—	3	—	15	1	—	—	—	1,306
S. Dak.	—	5	—	33	16	—	—	7	1,057
Nebr.	—	5	—	16	3	—	—	1	170
Kans.	—	10	—	58	8	1	1	28	346
S. Atlantic	15	26	—	4,777	6	52	2	206	13,590
Del.	—	2	—	45	1	—	—	1	16
Md.	1	3	—	466	2	6	1	25	3,076
D.C.	—	—	—	177	—	2	—	—	55
Va.	2	2	—	406	2	13	—	17	1,733
W. Va.	1	—	—	68	—	1	—	3	8,149
N.C.	5	9	—	649	—	3	—	108	NN
S.C.	2	4	—	477	—	—	—	23	561
Ga.	—	—	—	822	1	8	—	24	NN
Fla.	4	6	—	1,667	—	19	1	5	NN
E.S. Central	7	21	—	1,912	11	3	—	80	2,119
Ky.	1	8	—	384	4	1	—	19	911
Tenn.	—	10	—	620	6	—	—	36	1,208
Ala.	3	2	—	524	—	1	—	10	NN
Miss.	3	1	—	384	1	1	—	15	NN
W.S. Central	11	45	—	2,912	65	5	30	153	20,554
Ark.	—	3	—	336	45	—	—	35	469
La.	4	1	—	398	—	5	—	2	NN
Okla.	1	12	—	277	17	—	—	94	NN
Tex.	6	29	—	1,901	3	—	30	22	20,085
Mountain	1	38	1	628	12	12	—	11	13,511
Mont.	—	—	—	39	—	1	—	6	728
Idaho	—	5	—	22	—	—	—	2	NN
Wyo.	—	1	—	7	2	—	—	2	419
Colo.	—	4	—	92	6	4	—	1	NN
N. Mex.	—	2	—	101	2	1	—	—	NN
Ariz.	1	16	1	268	1	6	—	—	10,579
Utah	—	10	—	35	1	—	—	—	200
Nev.	—	—	—	64	—	—	—	—	1,585
Pacific	4	66	32	4,086	9	171	17	5	969
Wash.	1	11	—	236	1	13	—	1	NN
Oreg.	—	1	—	161	2	8	—	2	NN
Calif.	3	53	5	3,468	4	142	10	2	253
Alaska	—	NN	27	51	2	1	—	NN	NN
Hawaii	—	1	—	170	—	7	7	NN	716
Guam	—	—	—	NA	—	1	—	—	410
P.R.	5	—	—	267	—	5	—	—	7,546
V.I.	—	—	—	5	—	—	—	—	421
American Samoa	—	—	—	NA	—	5	—	—	76
C.N.M.I.	—	—	—	NA	—	—	—	—	115

*Ages 18+.

NOTIFIABLE DISEASES -- Summary of reported cases, by age group, United States, 1988

Disease	Total	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60+	Age not stated
AIDS	31,001*	189	248	95	46	100	1,343	4,979	14,263	6,552	2,171	1,015	—
Cholera	8	—	—	—	—	—	—	2	1	1	1	3	—
Diphtheria	2	—	—	—	—	1	—	—	—	—	—	1	—
Gonorrhea [†]	719,536 (.....1,081.....)		1,029	10,701	195,312	230,797	130,429	116,134 (.....34,053.....)					—
Hepatitis A	28,507§	189	1,108	2,831	1,823	1,797	3,024	3,506	4,319	1,578	791	988	6,553
Hepatitis B	23,177§	175	114	122	163	1,478	3,476	4,401	5,296	1,949	913	1,142	3,948
Hepatitis, non-A non-B	2,619§	17	13	29	45	134	255	376	492	218	128	335	577
Hepatitis, unspecified	2,470§	17	57	179	108	124	254	326	403	155	81	133	633
Measles (rubeola)	3,396	291	680	311	579	1,045	239	119	89	23	6	4	10
Meningococcal infections	2,964§	563	585	172	98	228	114	79	113	109	73	220	610
Mumps	4,866§	61	392	1,022	1,284	861	273	79	111	54	28	14	687
Pertussis (whooping cough)	3,450	1,548	872	329	211	125	52	49	145	58	11	27	23
Plague	15	—	—	3	2	1	1	—	4	1	—	3	—
Poliomyelitis, paralytic	9¶	3	2	1	—	—	—	—	3	—	—	—	—
Rubella (German measles)	225§	16	27	22	14	8	15	11	12	1	—	1	98
Salmonellosis	48,948§	7,150	6,823	2,593	1,597	2,048	3,096	3,210	4,602	2,577	2,003	5,218	8,031
Shigellosis	30,617§	820	6,901	4,036	1,138	745	1,501	1,797	2,464	1,030	482	748	8,955
Syphilis, primary & secondary [†]	40,117 (.....23.....)		10	169	3,969	9,903	9,088	11,509 (.....5,446.....)					—
Tetanus	53	—	2	—	—	—	1	2	3	7	5	33	—
Tuberculosis	22,436	345	342	268	179	432	1,184	1,876	4,193	3,135	2,879	7,589	14
Typhoid fever	436§	3	30	35	26	26	27	39	44	33	12	17	144
Varicella (chickenpox)	192,857	658	6,787	34,651	8,024	1,818	429	251	210	55	31	56	139,887**

*AIDS total updated through December 31, 1988.

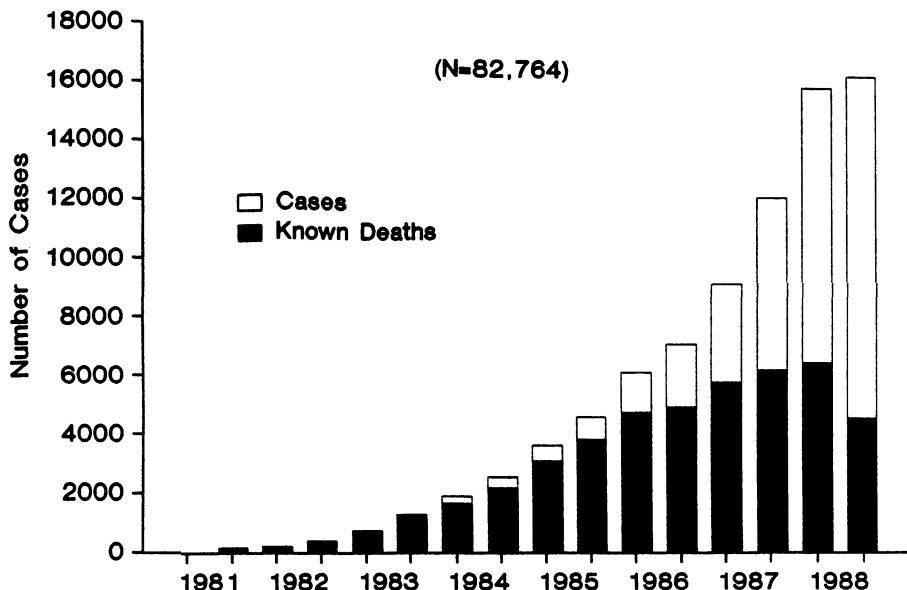
[†]Civilian cases only.[§]Cases reported by the state of California are included in the column for age not stated; age distributions are not available. For total cases reported by California, see table on pages 4-9.[¶]Subject to change due to retrospective case evaluations or late reports.

**Includes 578 cases reported by the state of Texas for ages 15+.

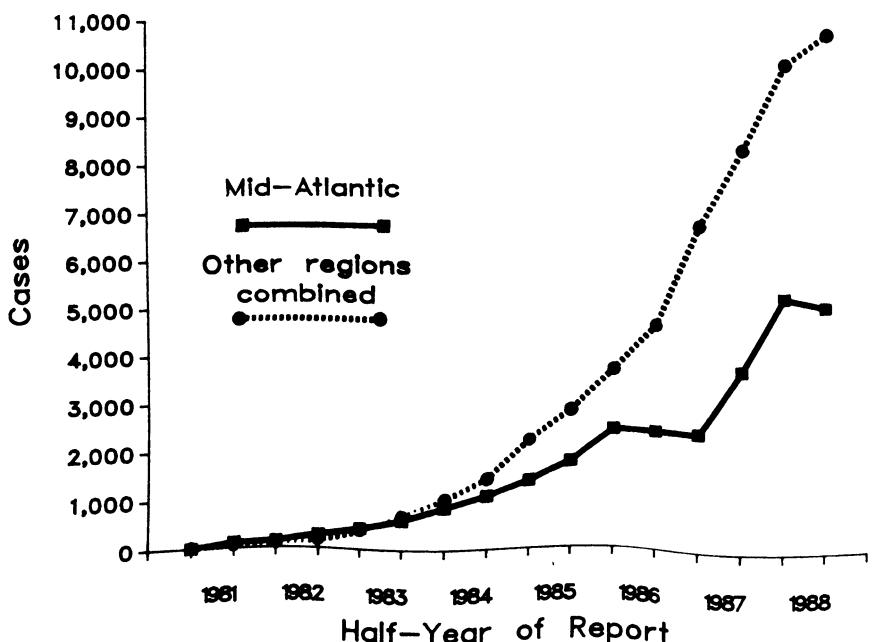
PART 2:

**Graphs and Maps
for Selected
Notifiable Diseases
in the
United States**

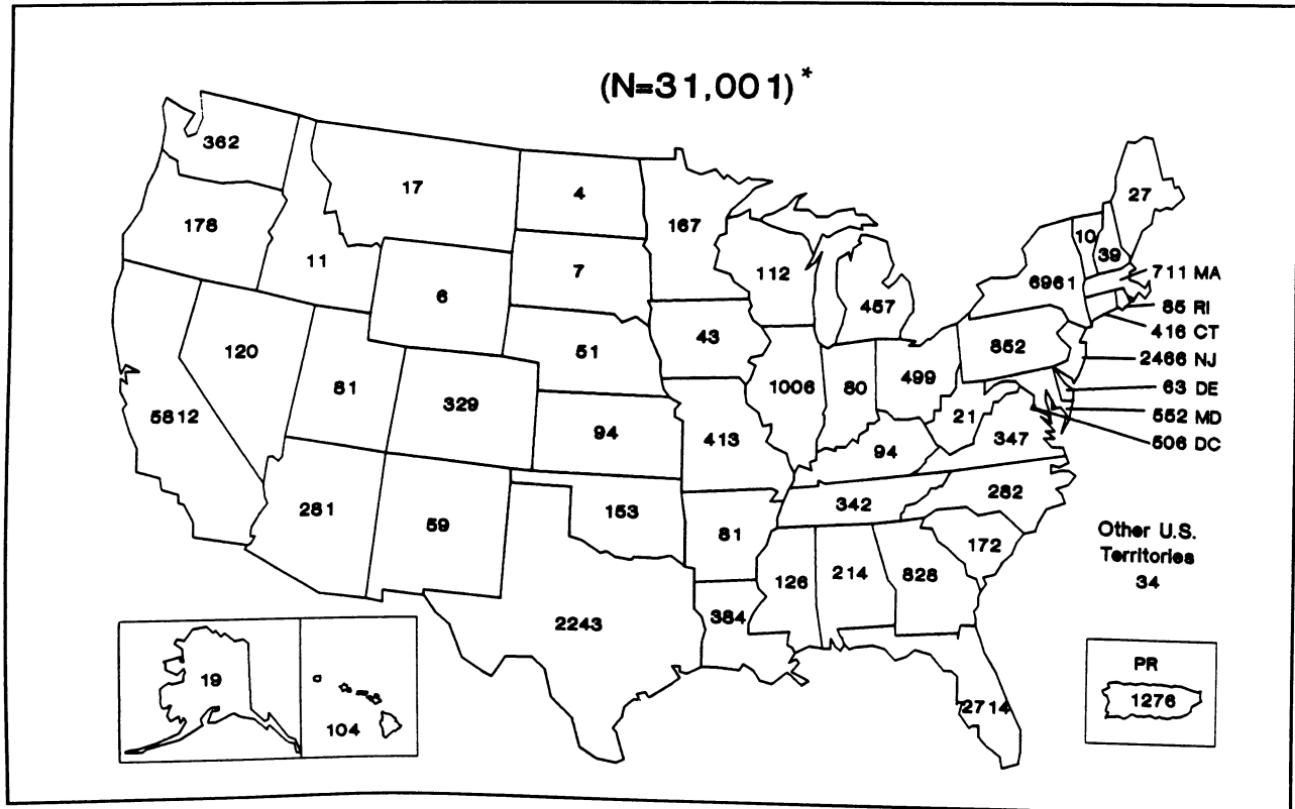
ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) – Cases and known deaths, by six-month periods of report to CDC, United States, 1981-1988



ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) – Cases, by region and date of report, United States, 1981-1988

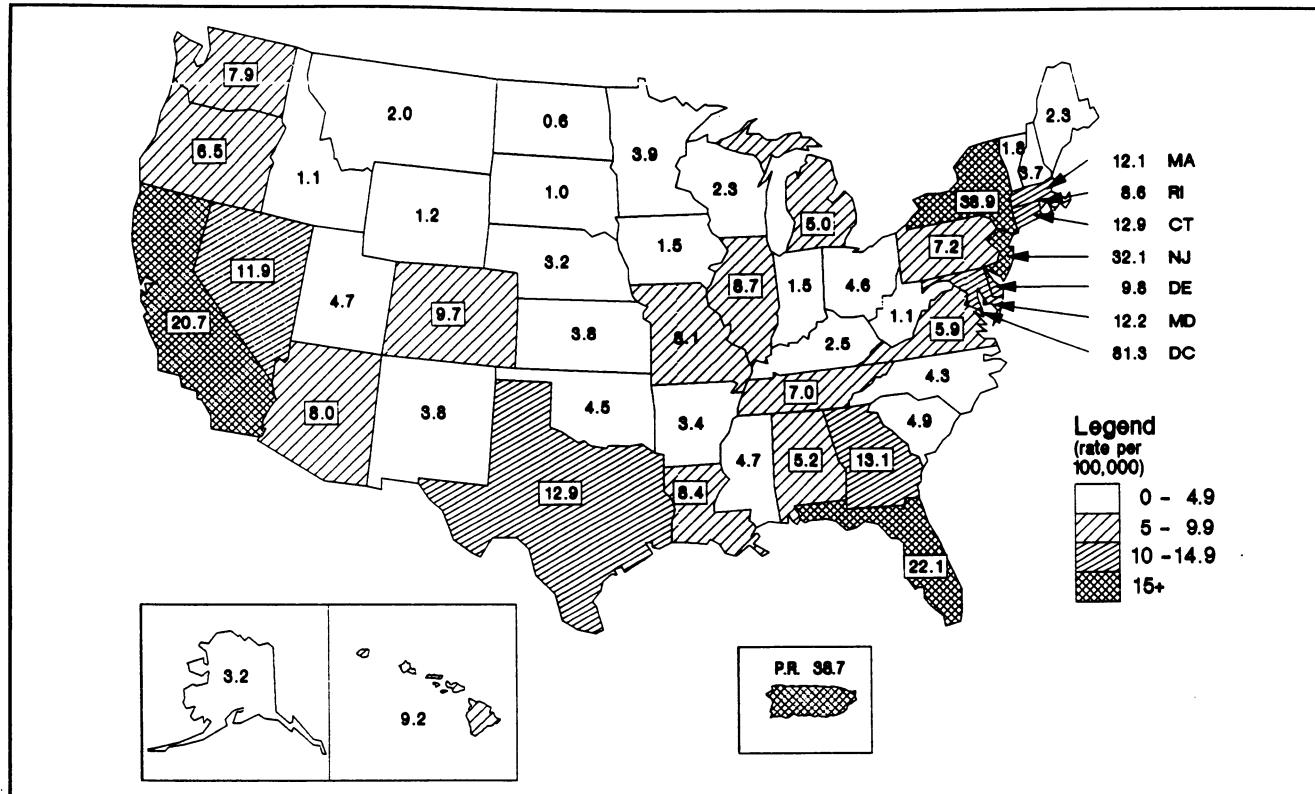


ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) — Cases reported to CDC by state, United States, 1988



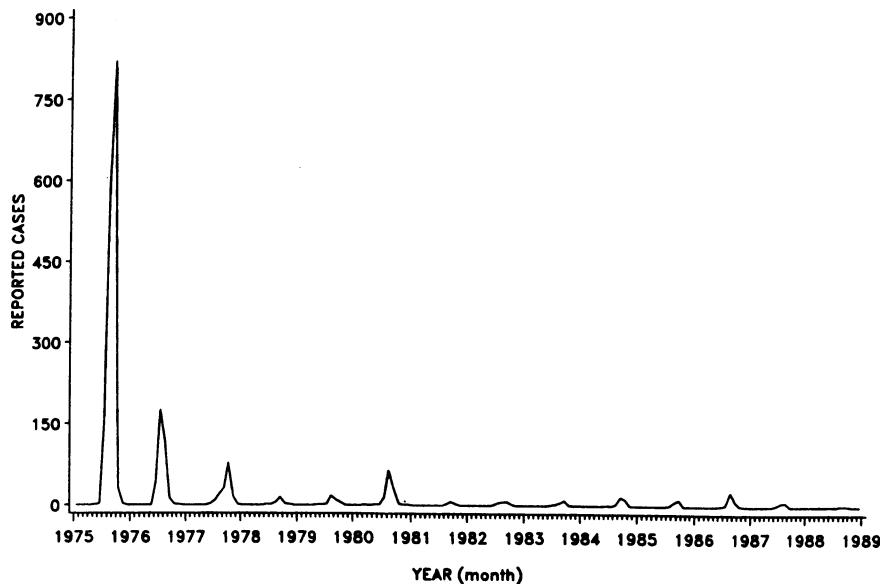
*Excludes case reports from Puerto Rico and other U.S. territories.

ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) — Cases per 100,000 population, reported to CDC by state, United States, 1988

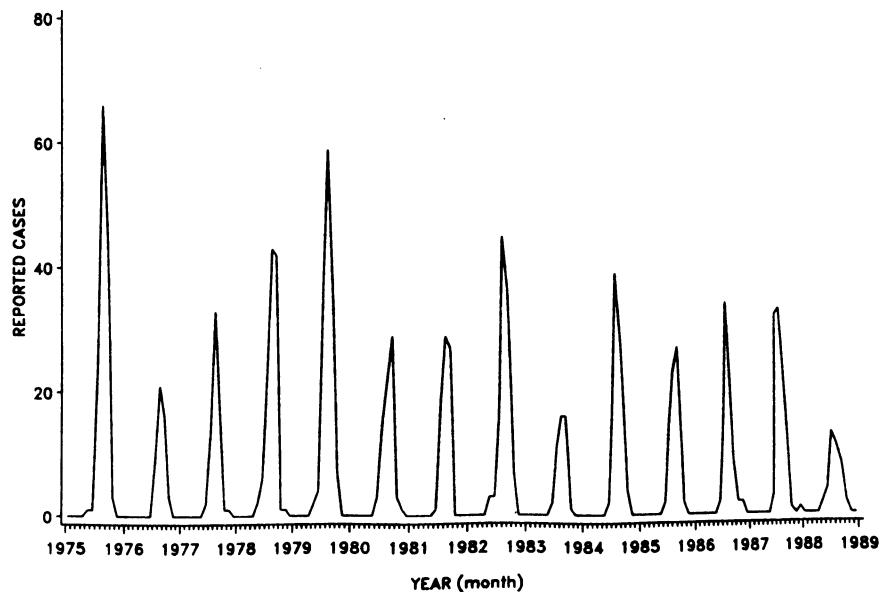


GRAPHS AND MAPS

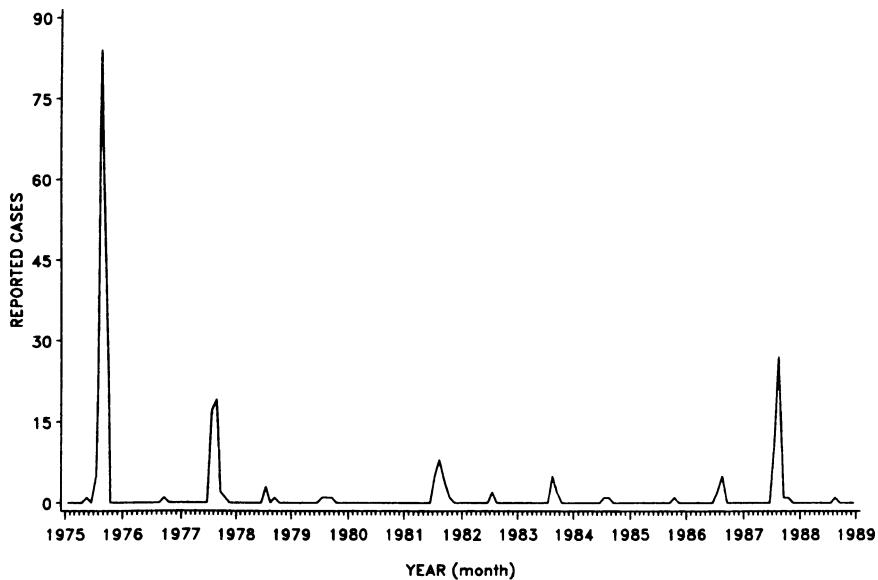
ARBOVIRAL INFECTIONS (of the central nervous system) — Cases due to St. Louis encephalitis virus, by month, United States, 1975-1988



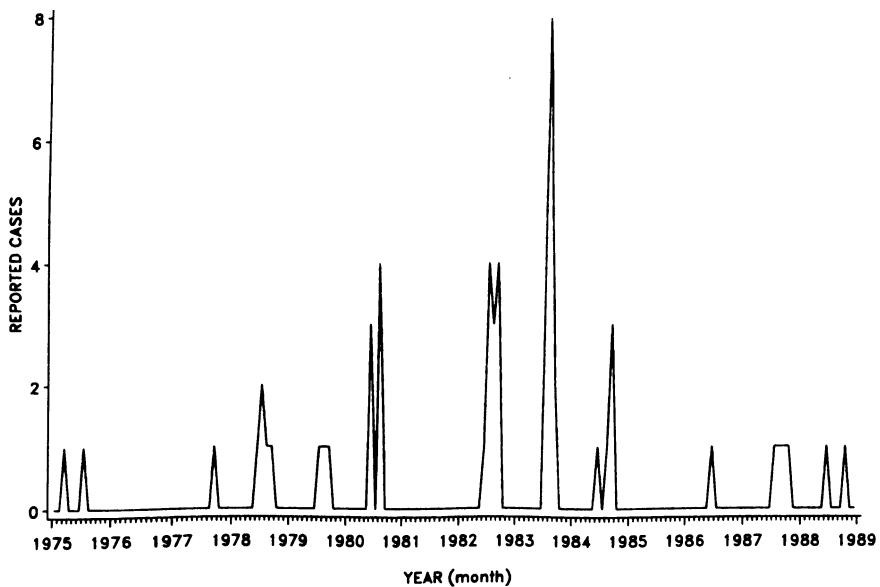
ARBOVIRAL INFECTIONS (of the central nervous system) — Cases due to California serogroup viruses, by month, United States, 1975-1988



ARBOVIRAL INFECTIONS (of the central nervous system) — Cases due to Western equine encephalitis virus, by month, United States 1975-1988

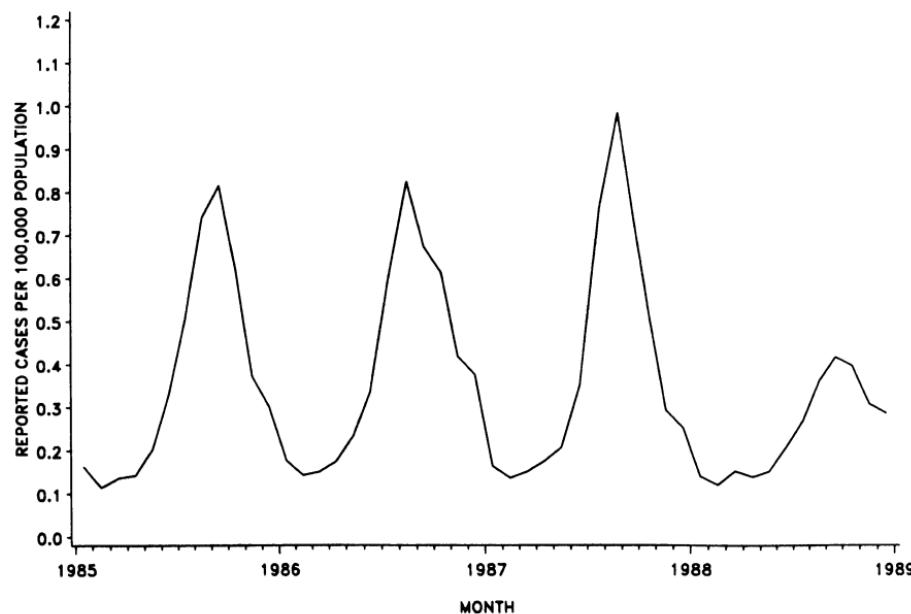


ARBOVIRAL INFECTIONS (of the central nervous system) — Cases due to Eastern equine encephalitis virus, by month, United States, 1975-1988

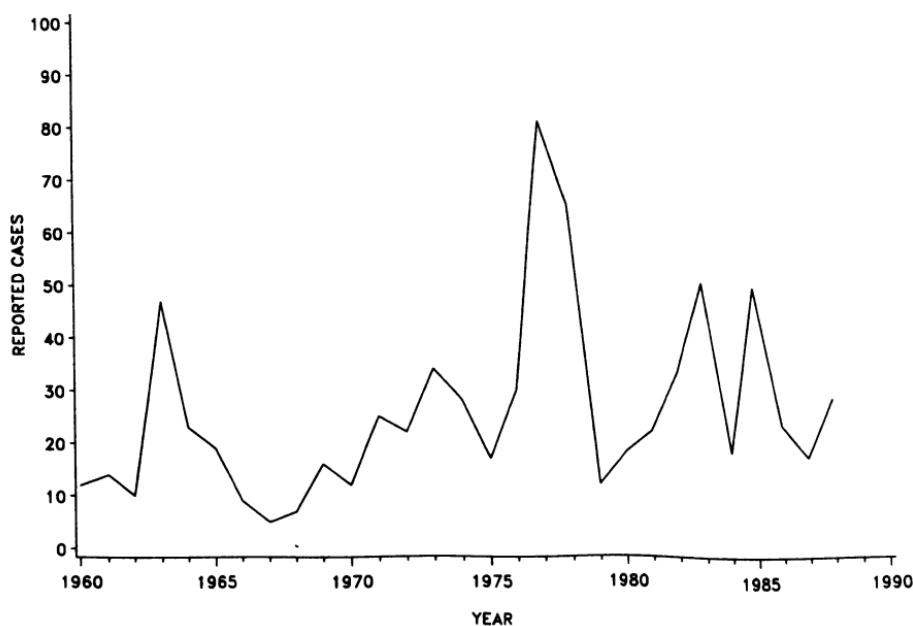


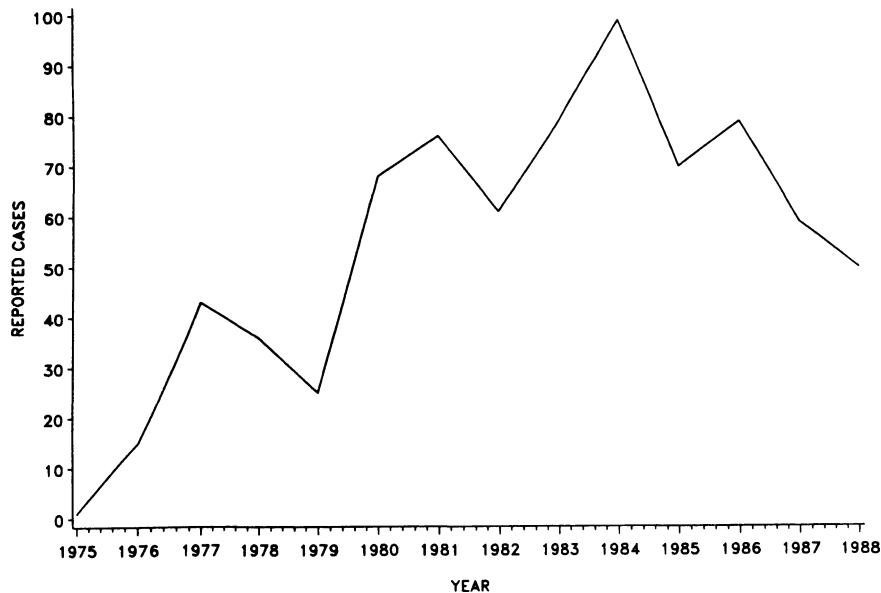
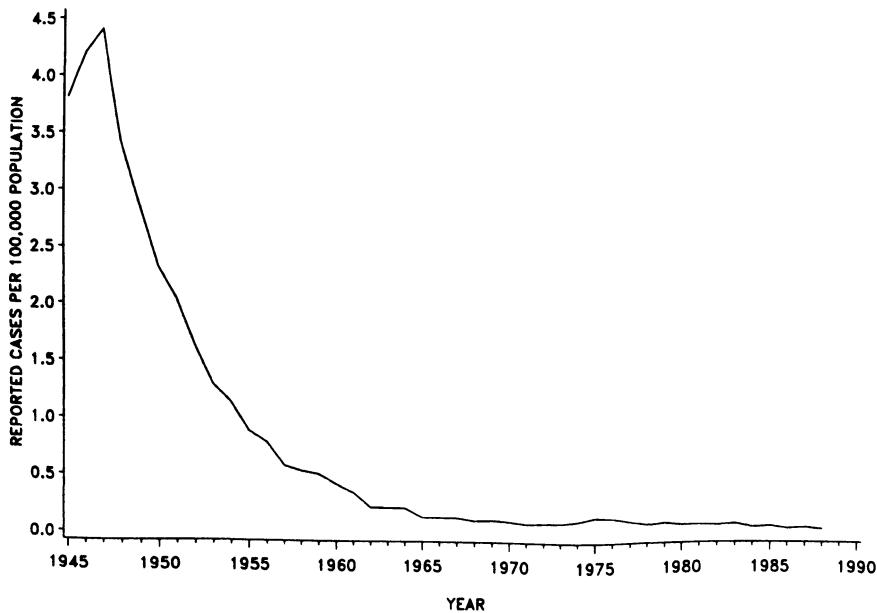
GRAPHS AND MAPS

ASEPTIC MENINGITIS — By month, United States, 1985-1988

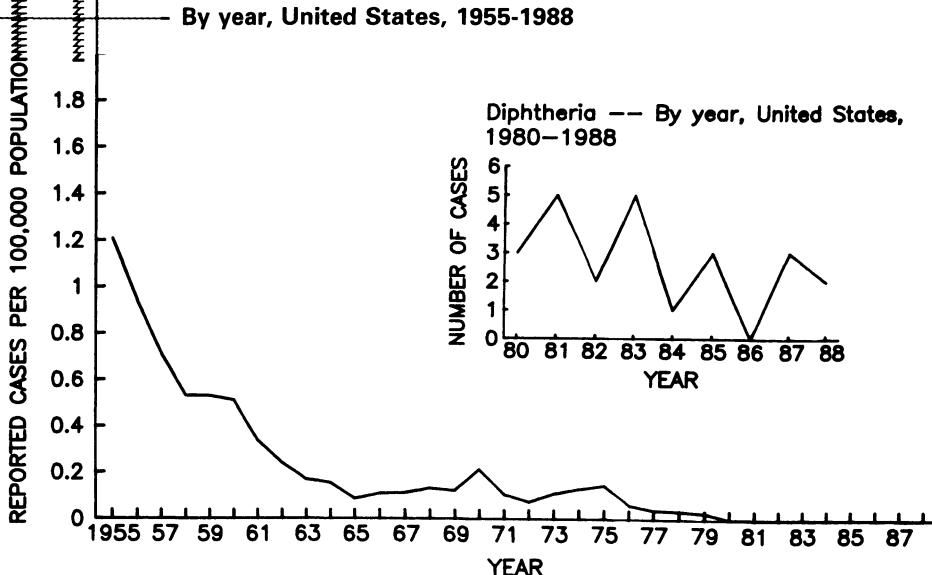


BOTULISM (food-borne) — By year, United States, 1960-1988

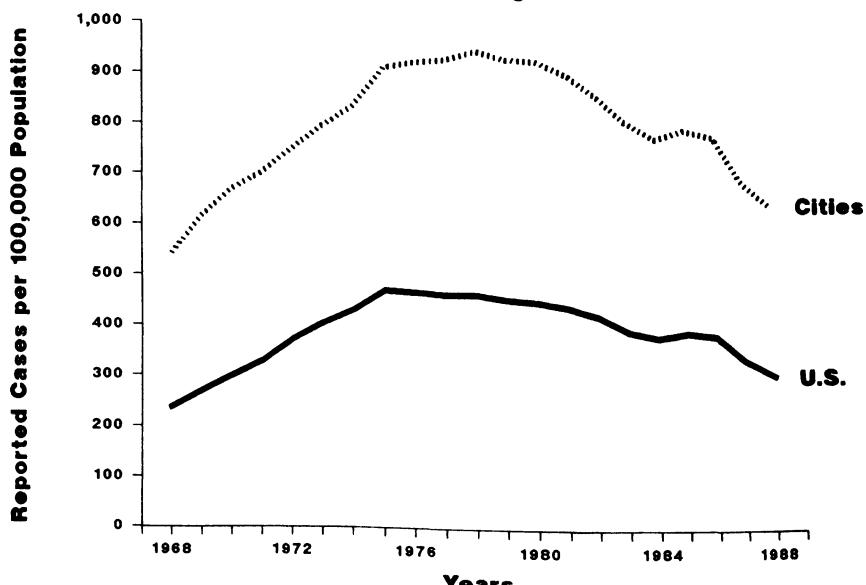


BOTULISM (infant) – By year, United States, 1975-1988**BRUCELLOSIS – By year, United States, 1945-1988**

MAPS

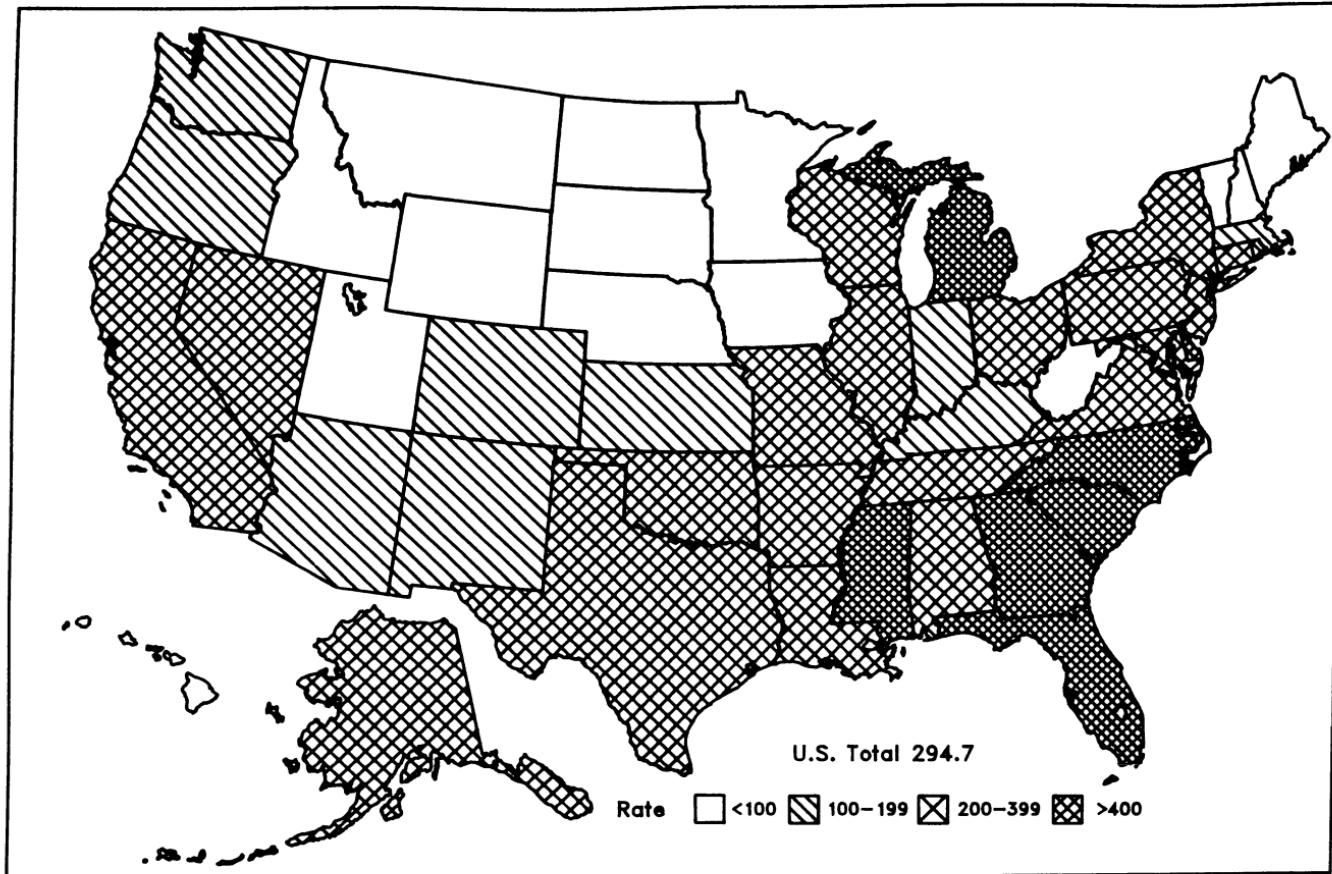


GONORRHEA — By year, United States and large cities,* 1968-1988



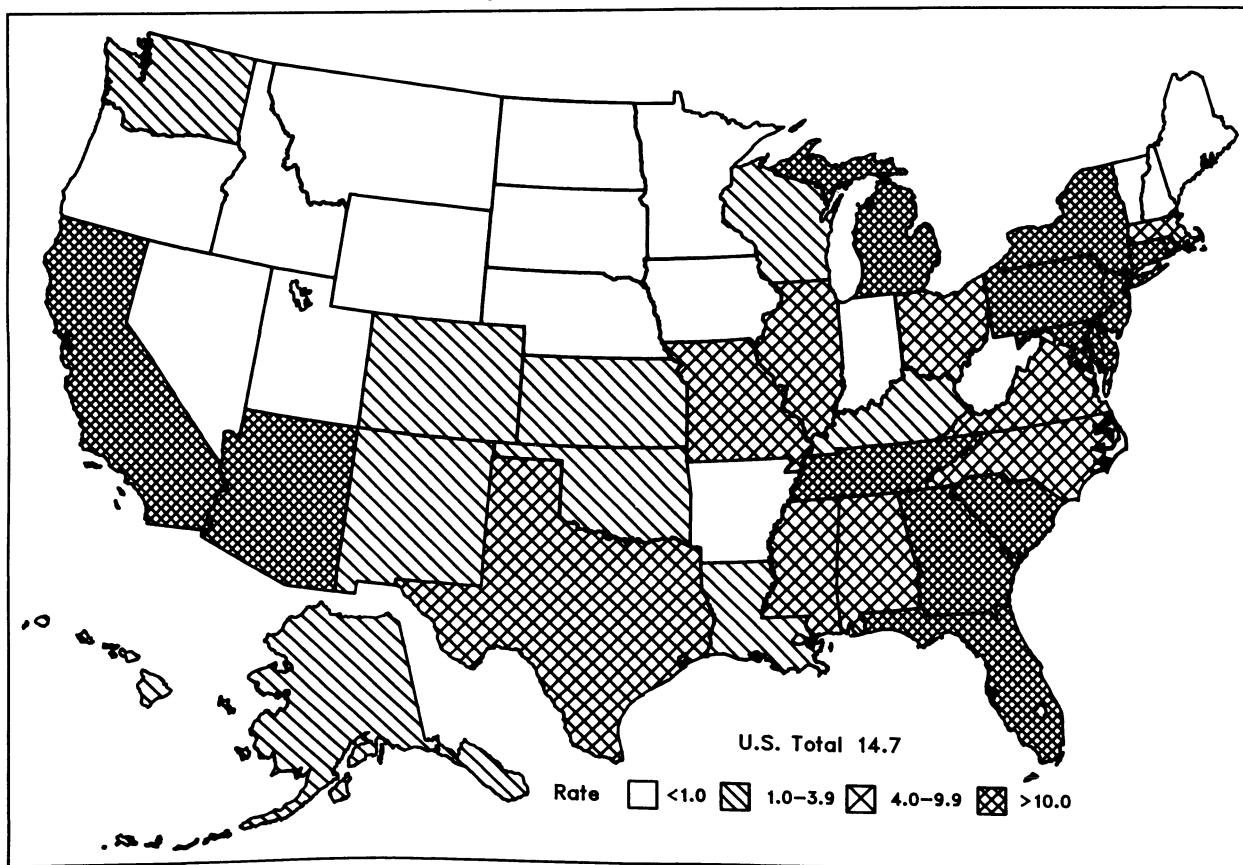
*Cities with populations over 200,000.

GONORRHEA — By state*, United States, 1988

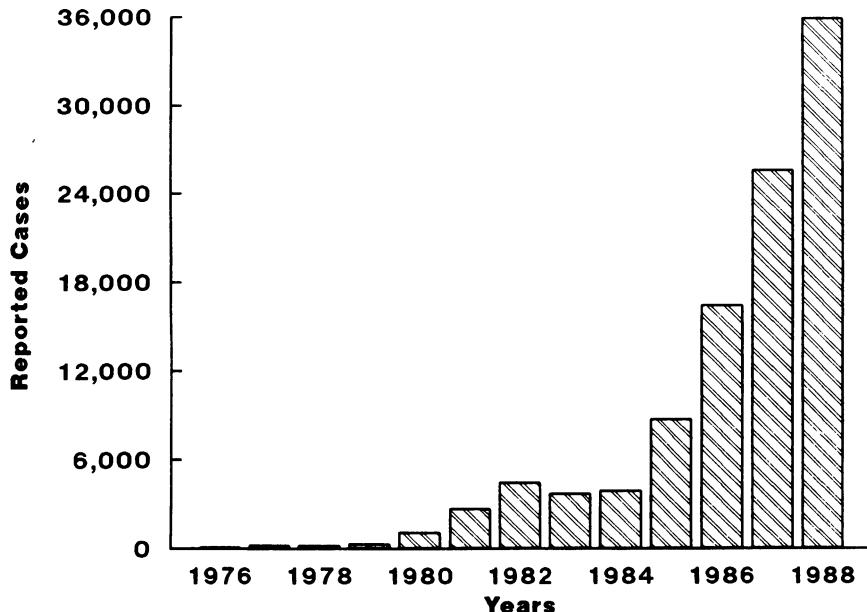
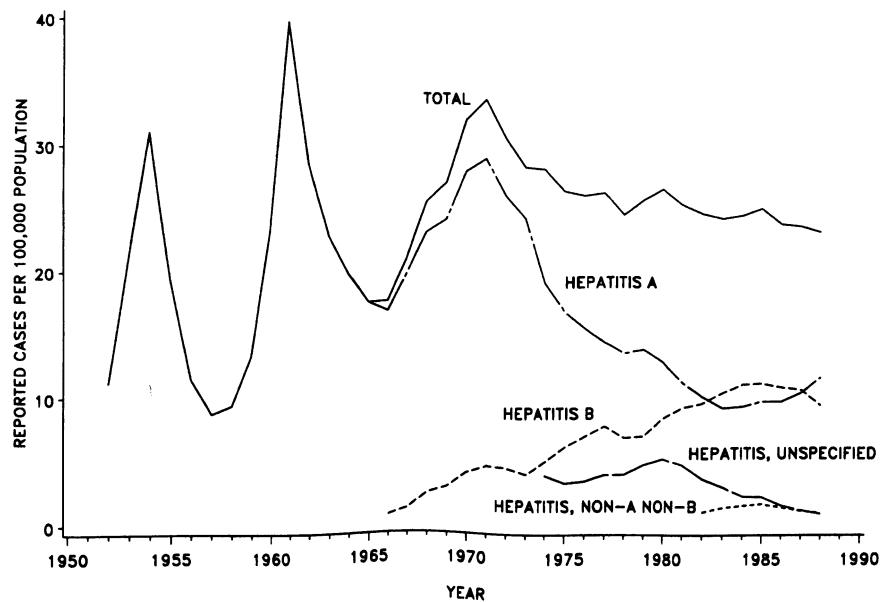


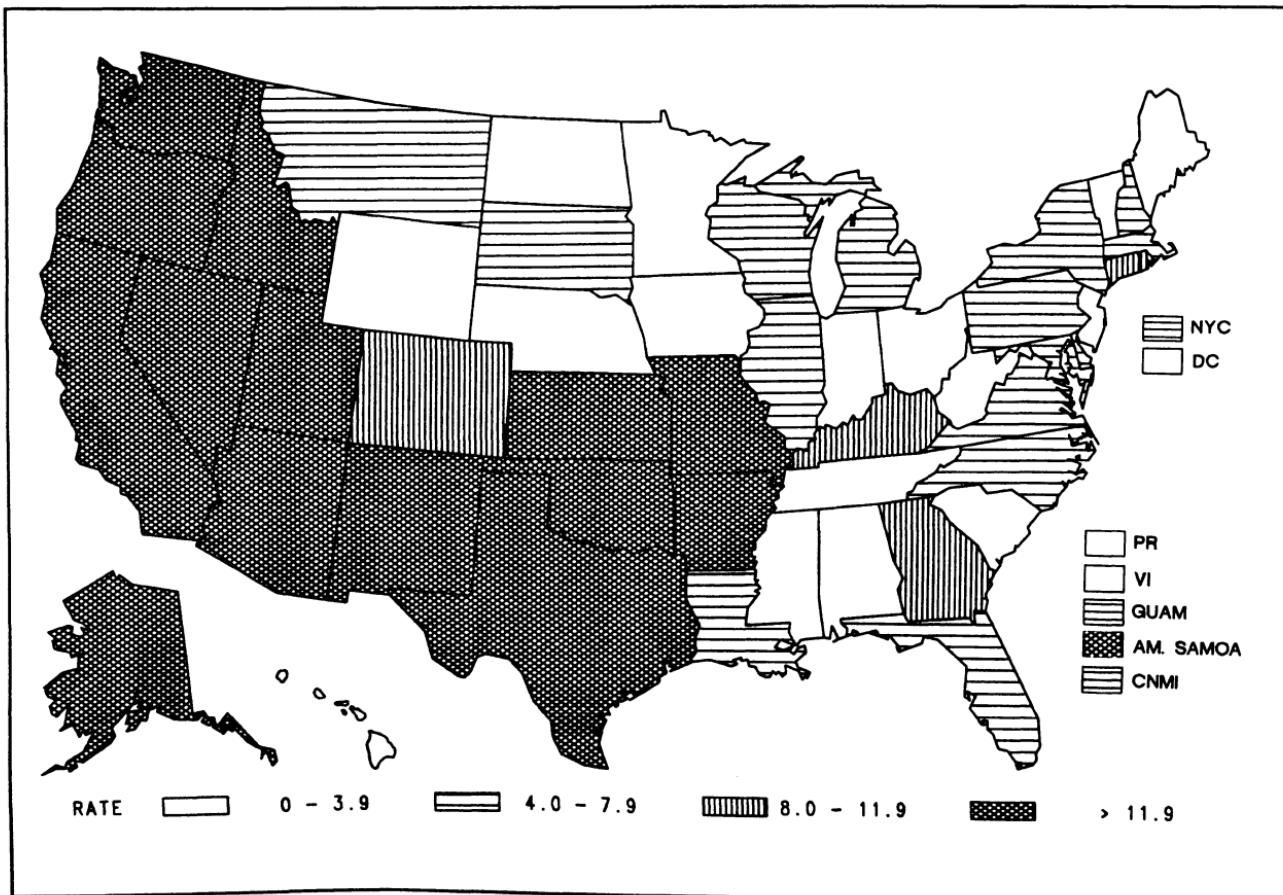
*Based on reported cases per 100,000 population.

GONORRHEA — Total resistant strains, by state*, United States, 1988

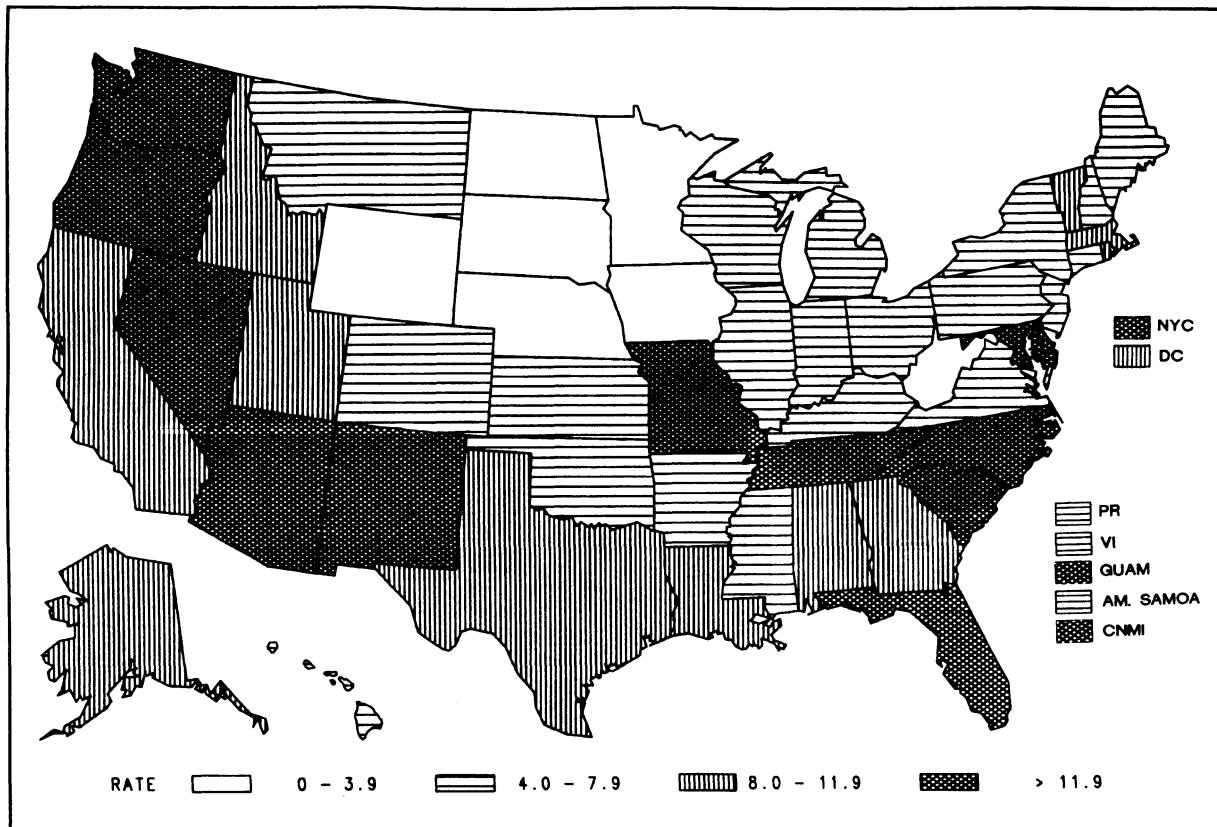


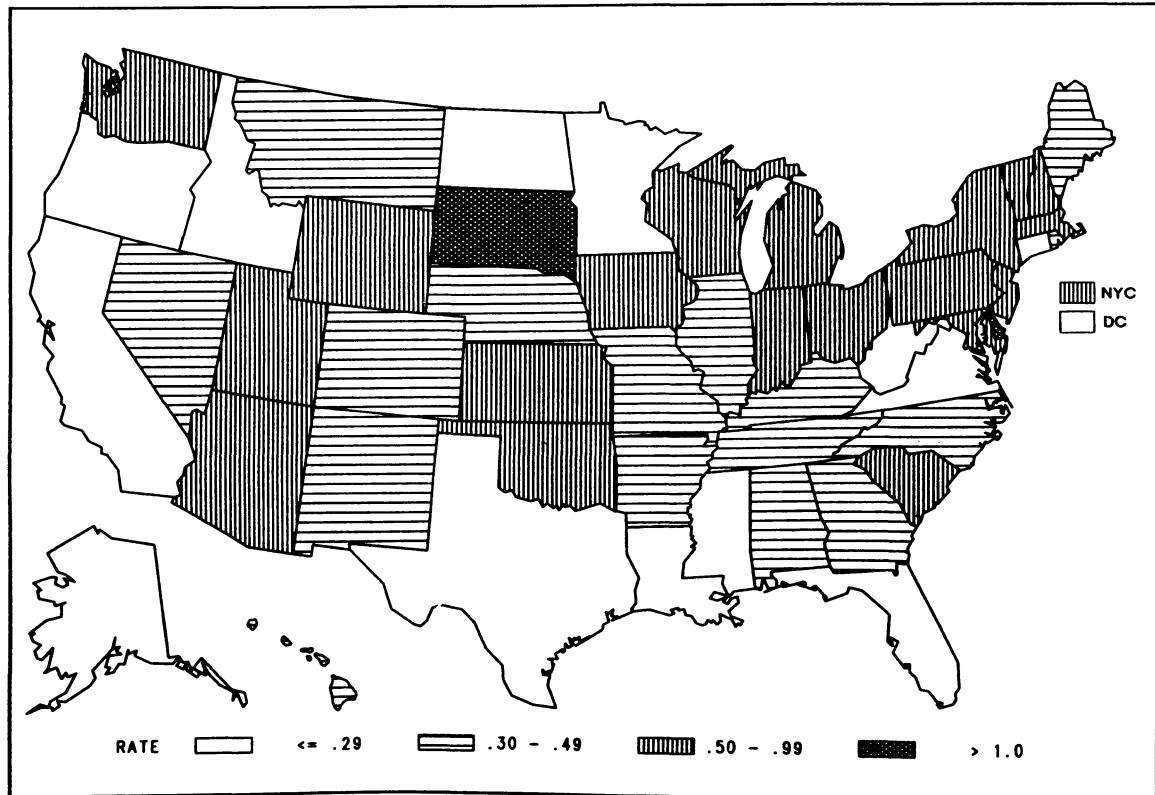
*Based on reported cases per 100,000 population.

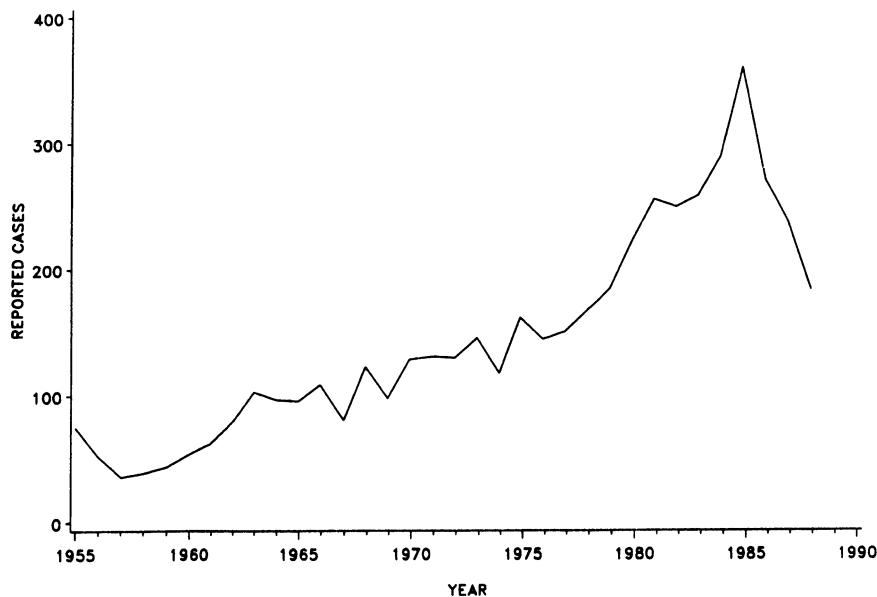
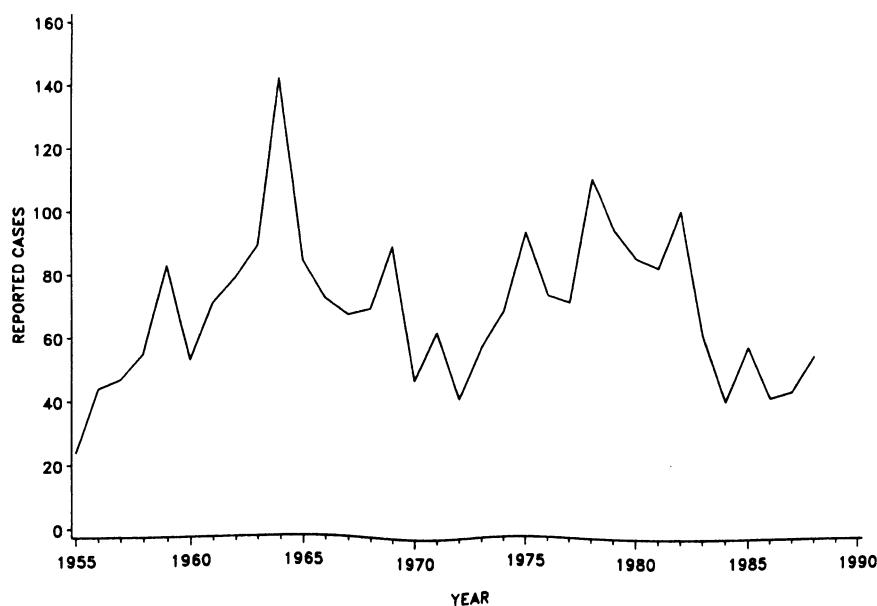
GONORRHEA — Total resistant strains, United States, 1976-1988**HEPATITIS — By year, United States, 1952-1988**

HEPATITIS A – Reported cases, per 100,000 population, United States, 1988

HEPATITIS B – Reported cases, per 100,000 population, United States, 1988

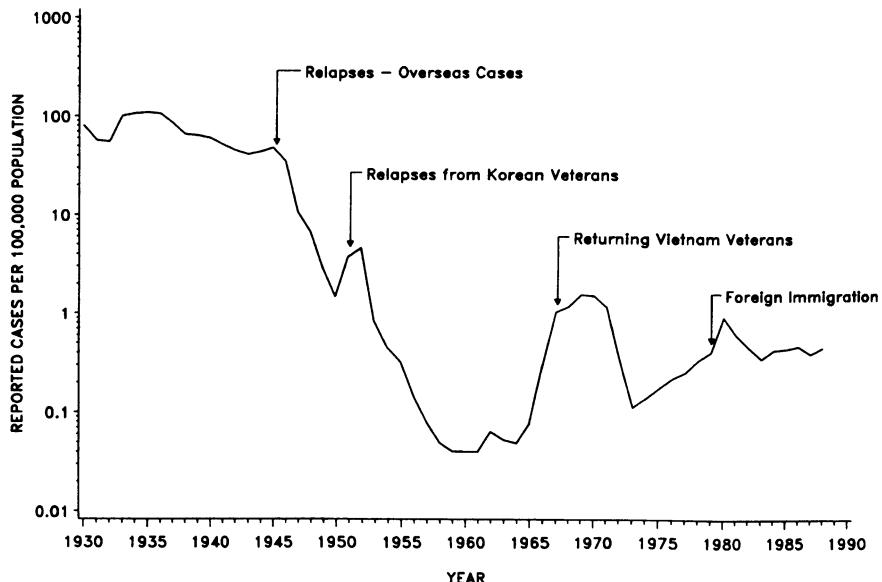


LEGIONELLOSIS – Reported cases, per 100,000 population, United States, 1988

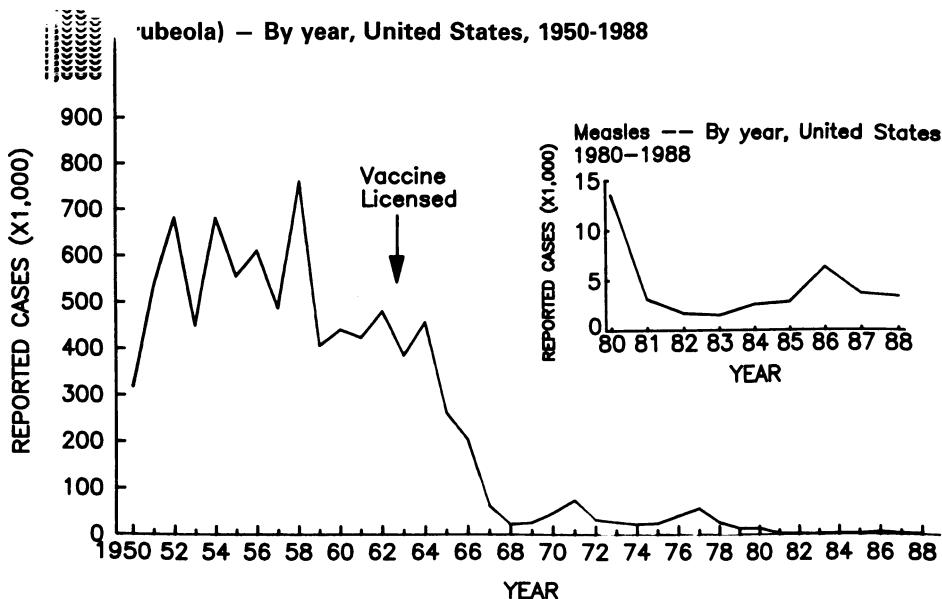
LEPROSY – By year, United States, 1955-1988**LEPTOSPIROSIS – By year, United States, 1955-1988**

GRAPHS AND MAPS

MALARIA — By year, United States, 1930-1988



Rubeola (Measles) — By year, United States, 1950-1988

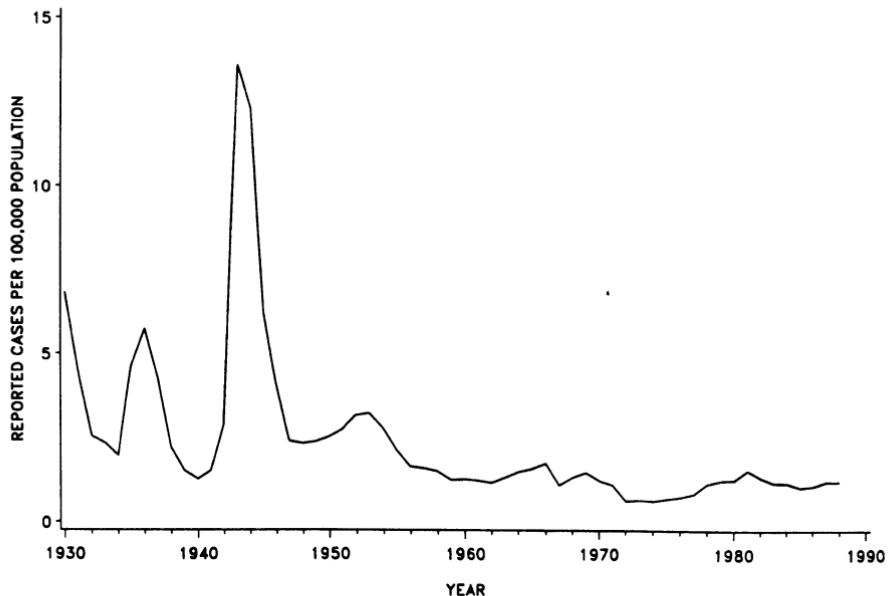


MEASLES (rubeola – Counties reporting cases, United States, 1988

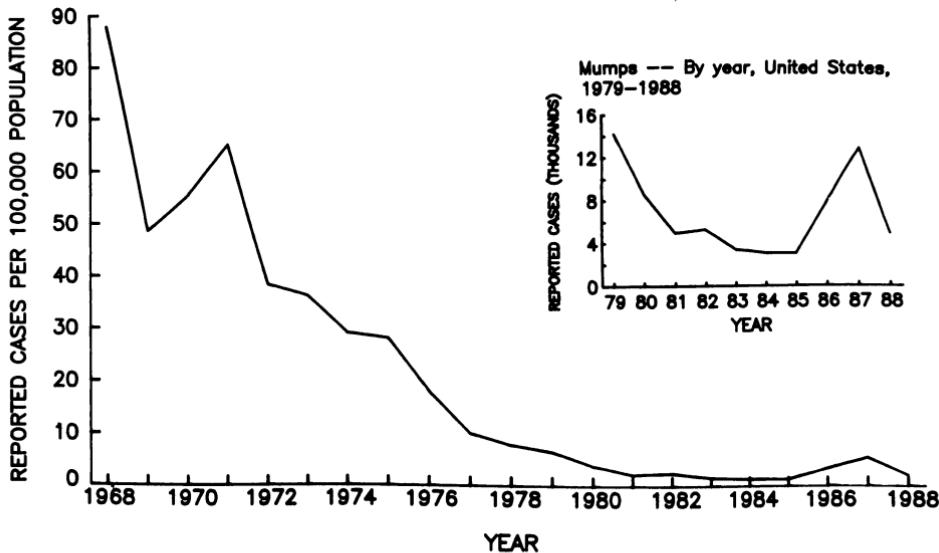


GRAPHS AND MAPS

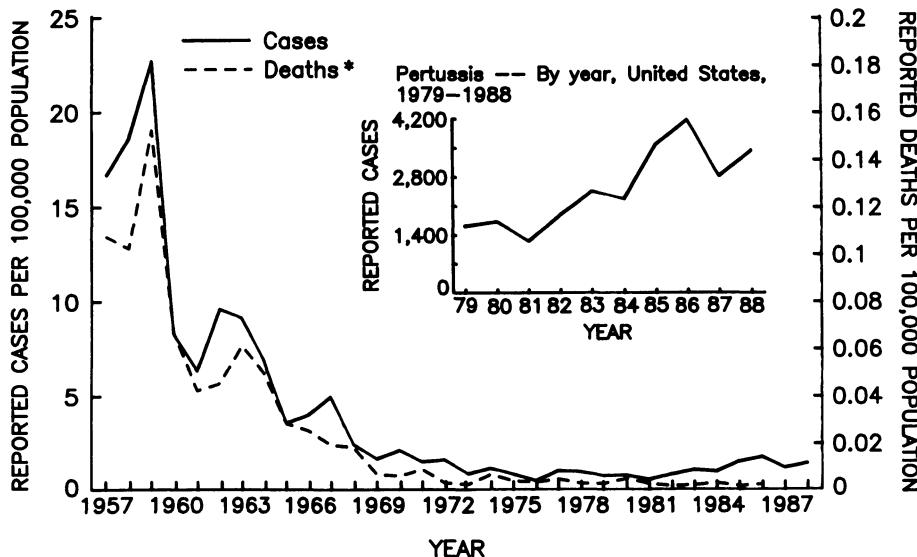
MENINGOCOCCAL INFECTION — By year, United States, 1930-1988



MUMPS — By year, United States, 1968-1988

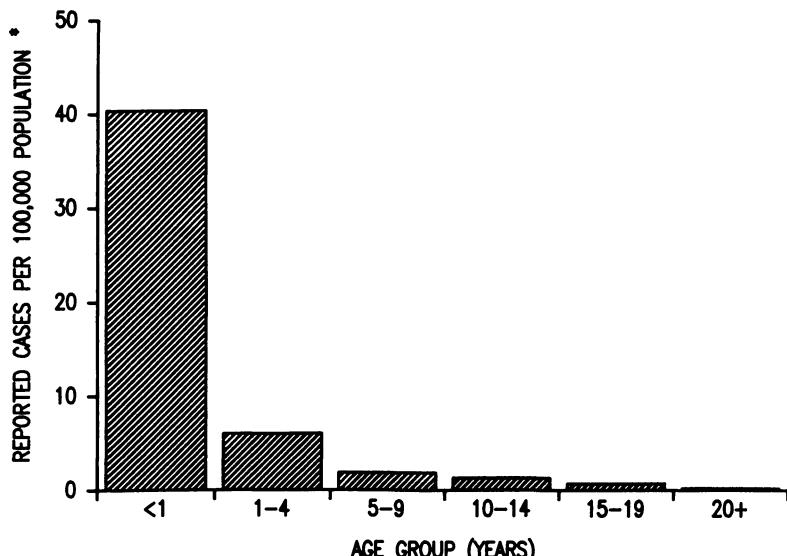


PERTUSSIS (whooping cough) — By year, United States, 1957-1988

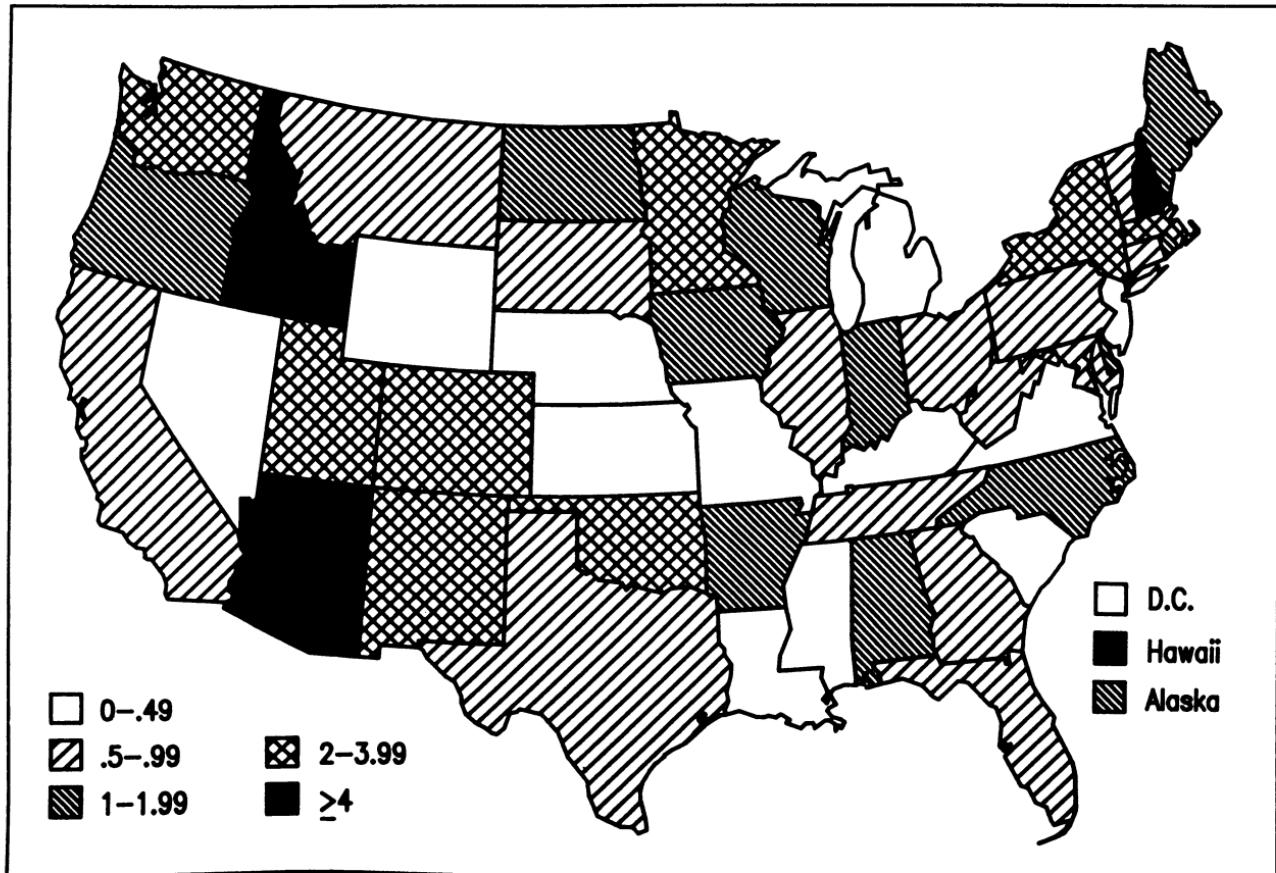


*Data not available for 1987-1988.

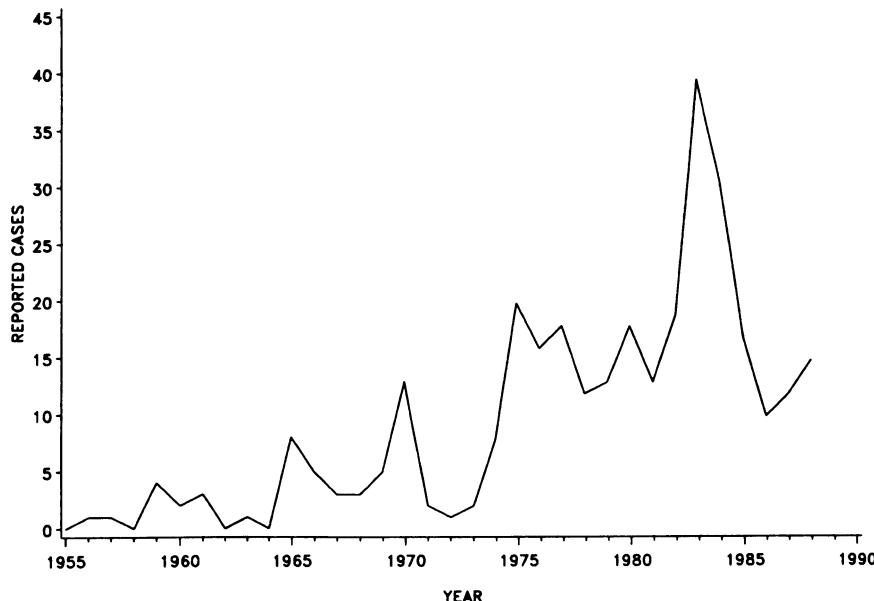
PERTUSSIS (whooping cough) — By age group, United States, 1988



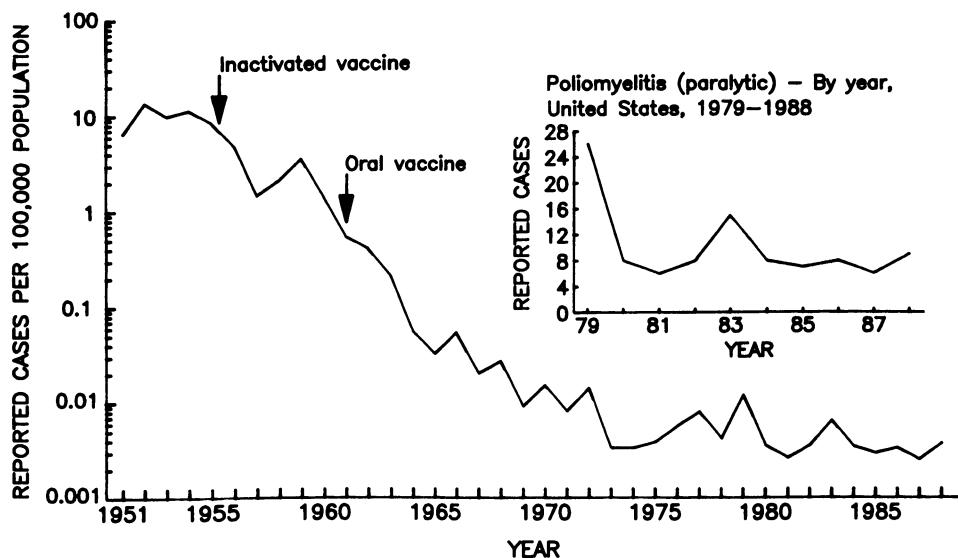
*Rates were calculated by multiplying the percentage of cases with known age group by total reported cases and dividing by the population in that age group.

PERTUSSIS (whooping cough) – Reported cases per 100,000 population, United States, 1988

PLAUE – In humans, by year, United States, 1955-1988

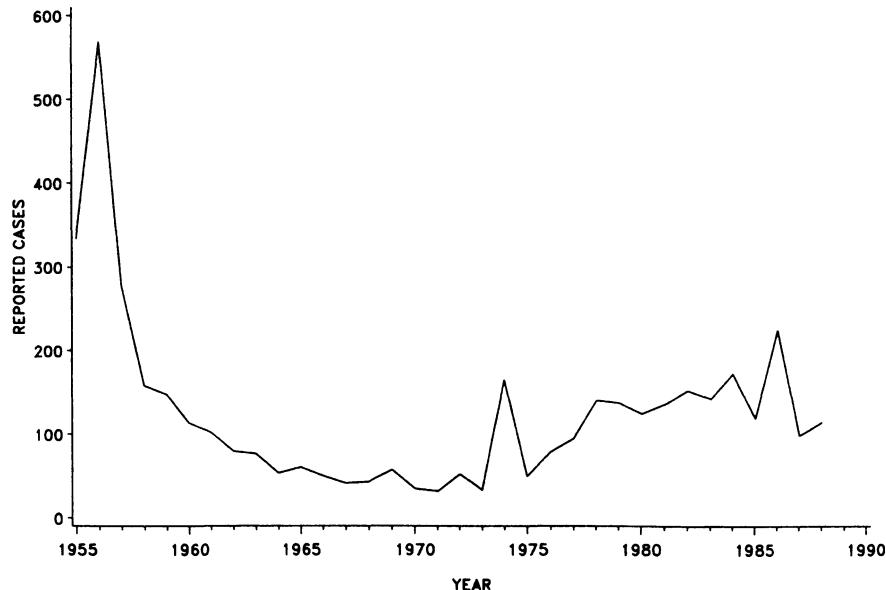


POLIOMYELITIS (paralytic) – By year, United States, 1951-1988

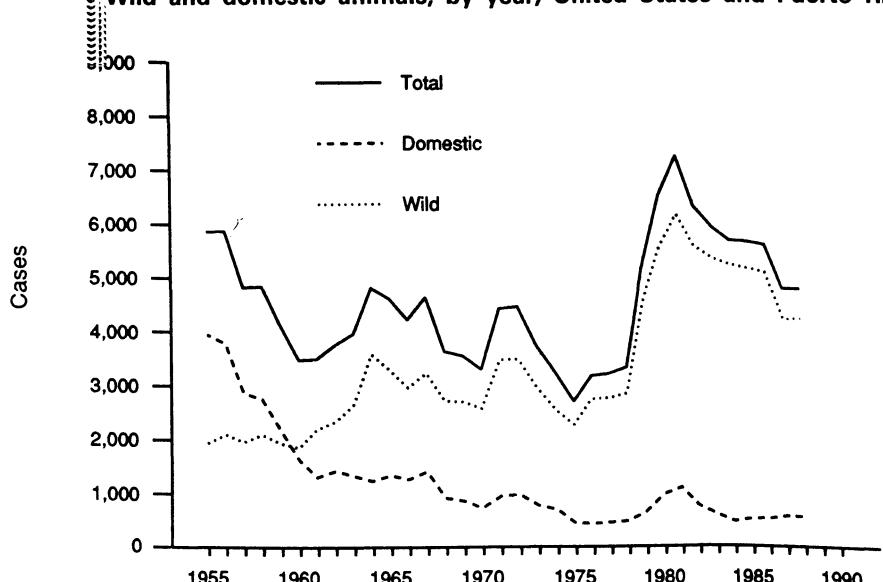


GRAPHS AND MAPS

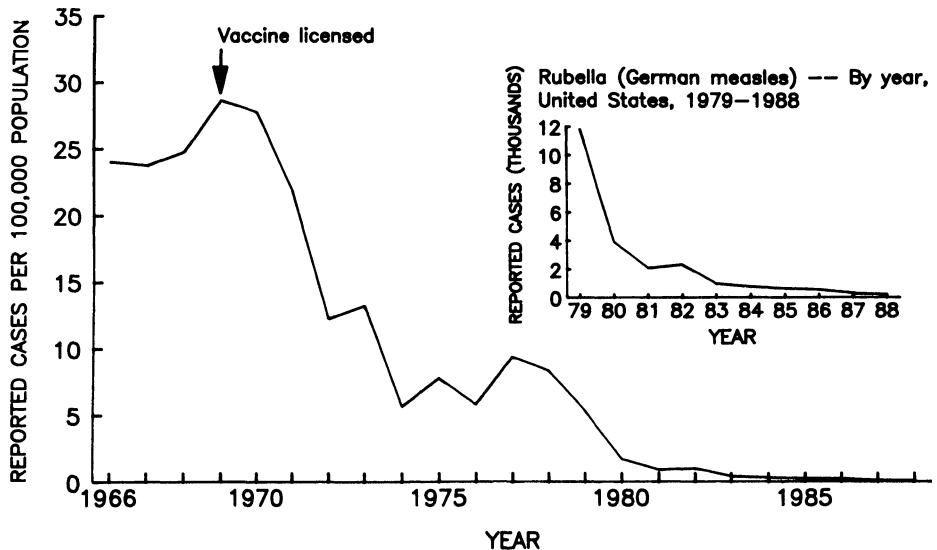
PSITTACOSIS – By year, United States, 1955-1988



Wild and domestic animals, by year, United States and Puerto Rico,

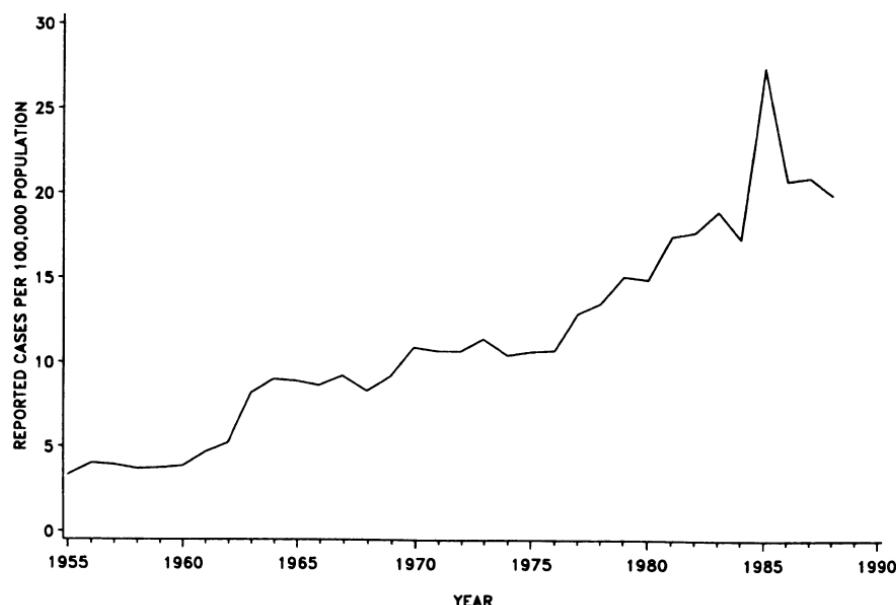


RUBELLA (German measles) – By year, United States, 1966-1988

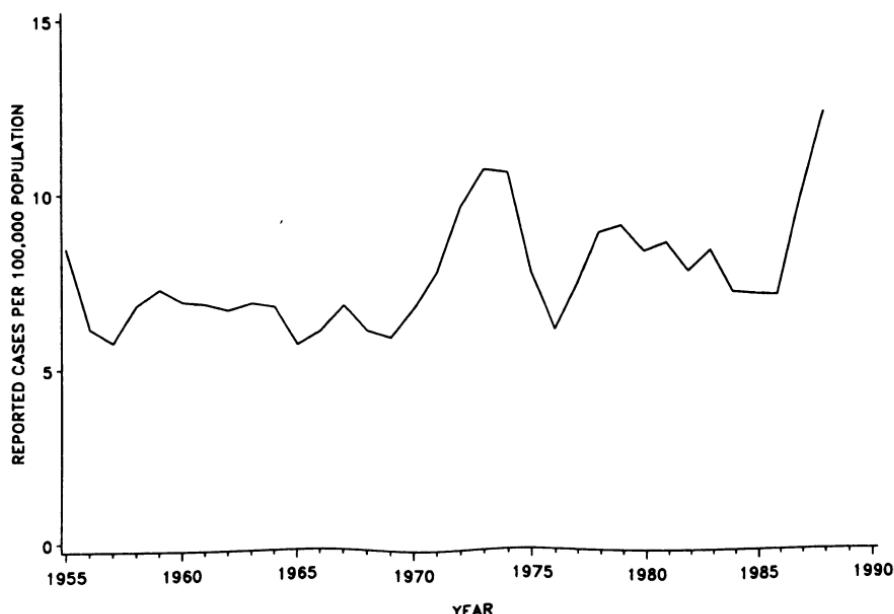


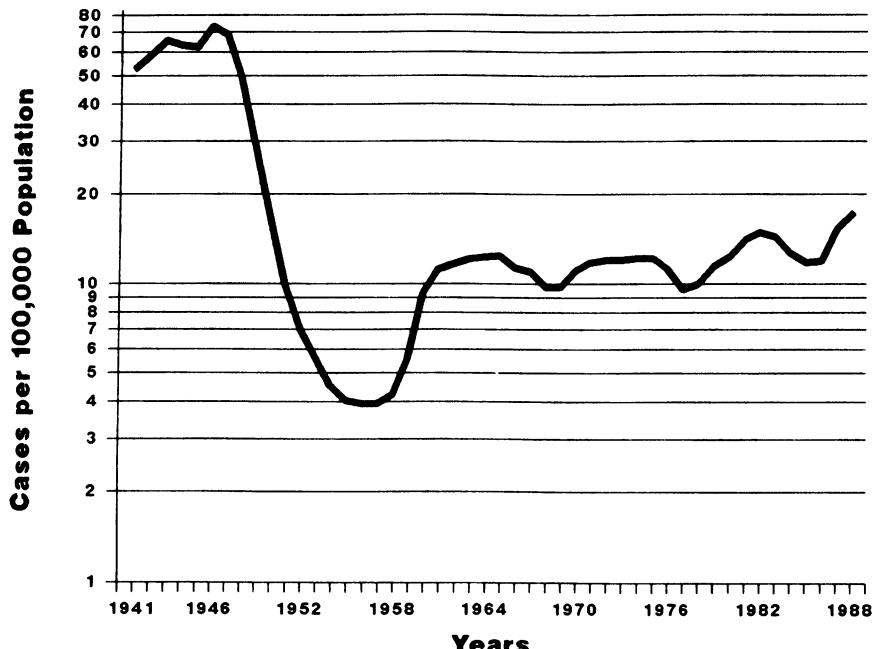
GRAPHS AND MAPS

SALMONELLOSIS (excluding typhoid fever) — By year, United States, 1955-1988

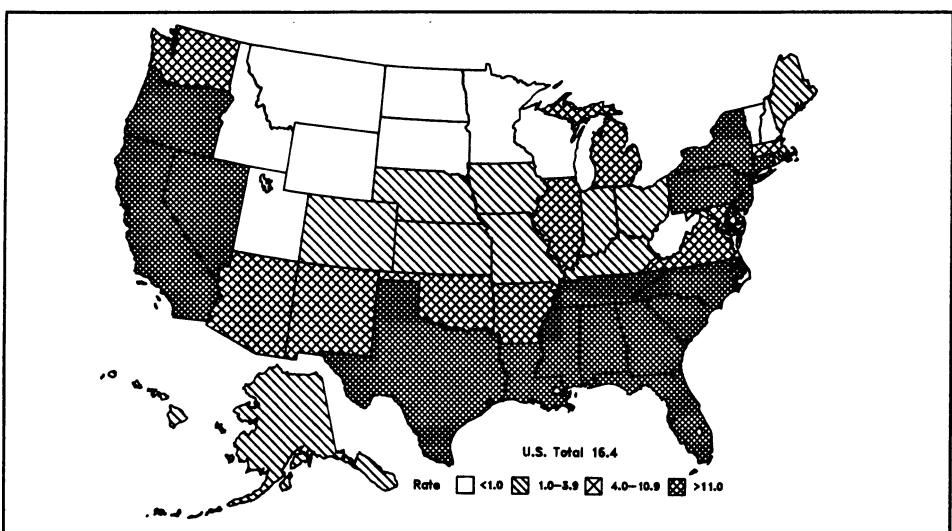


SHIGELLOSIS — By year, United States, 1955-1988



SYPHILIS (primary and secondary) – By year, United States, 1941-1988*

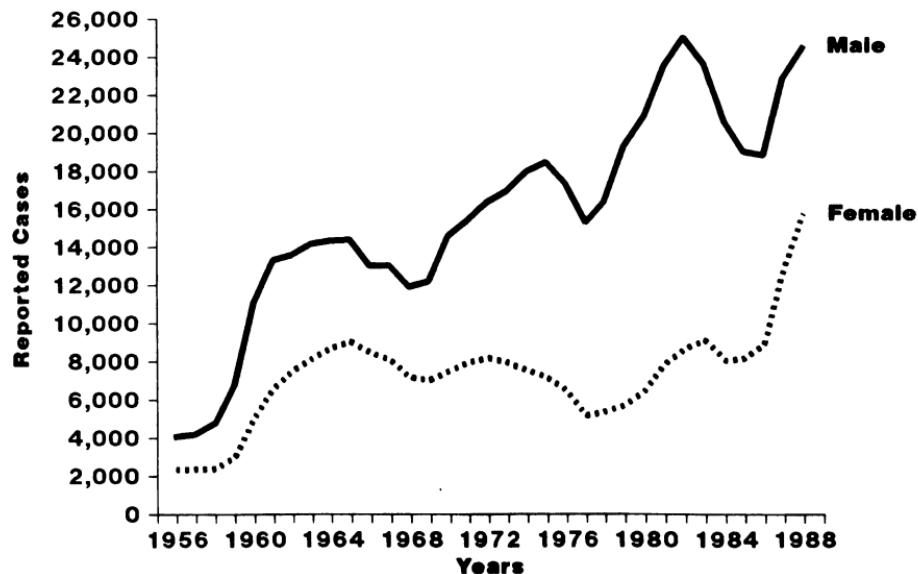
*1941-1946 fiscal years (12-month period ending June 30); 1947-1988 calendar years.

SYPHILIS (primary and secondary) – By state*, United States, 1988

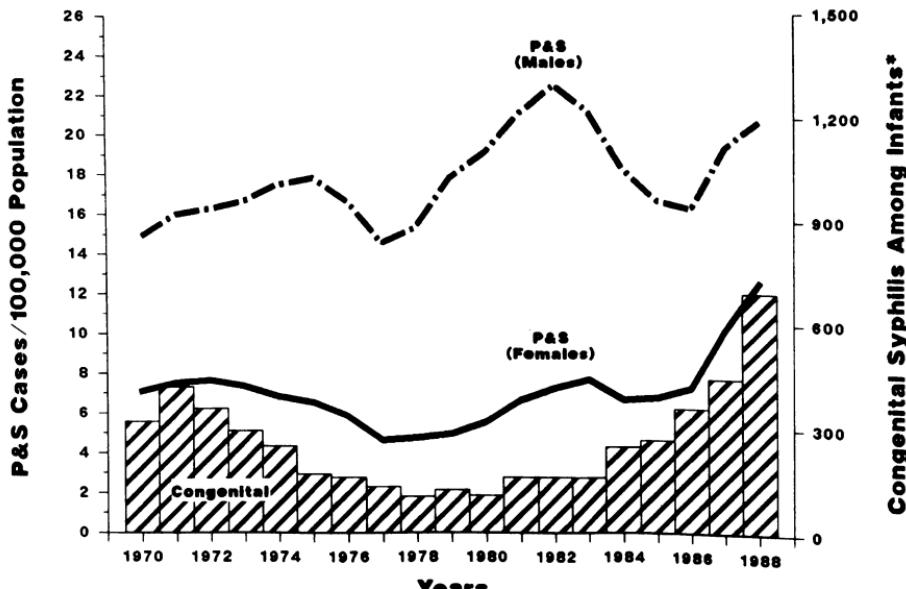
*Based on reported cases per 100,000 population.

GRAPHS AND MAPS

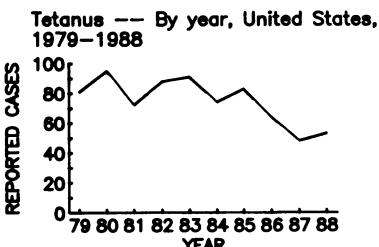
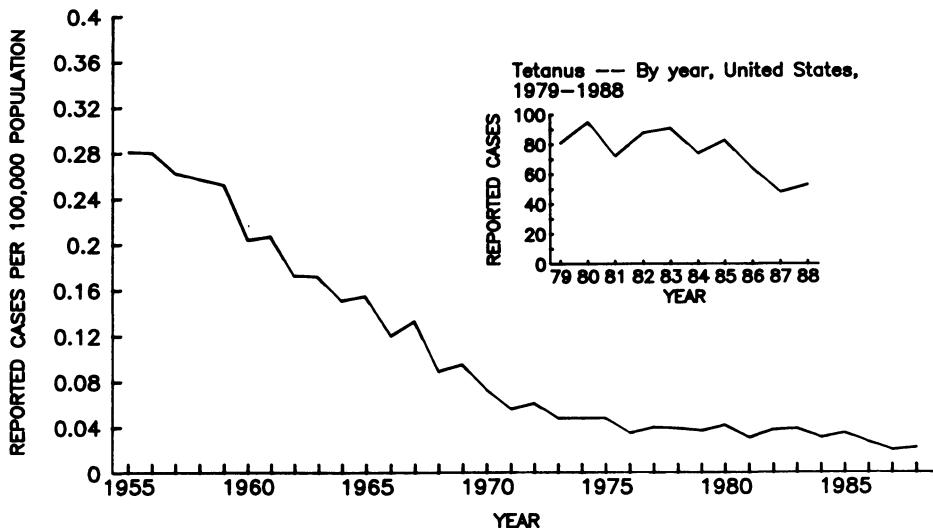
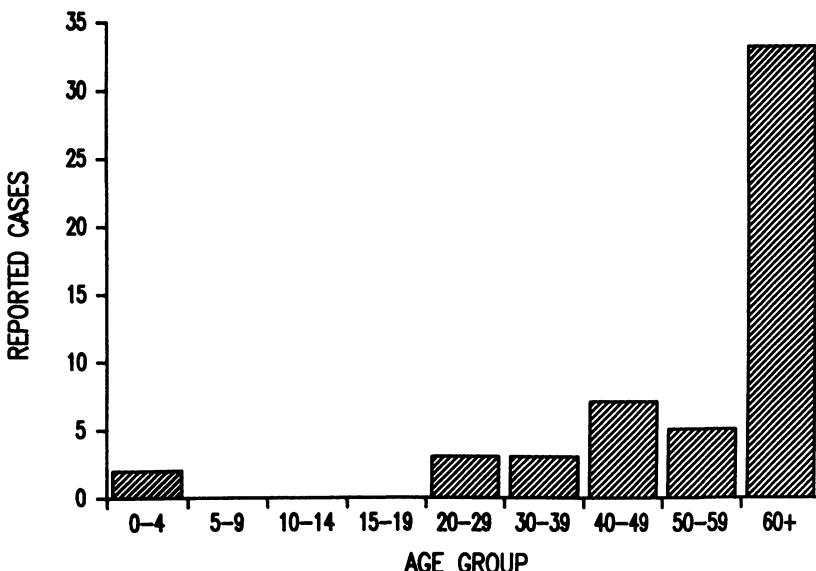
SYPHILIS (primary and secondary) — By sex, United States, 1956-1988



SYPHILIS (primary and secondary) — By sex, and congenital syphilis (under 1 year) United States, 1970-1988

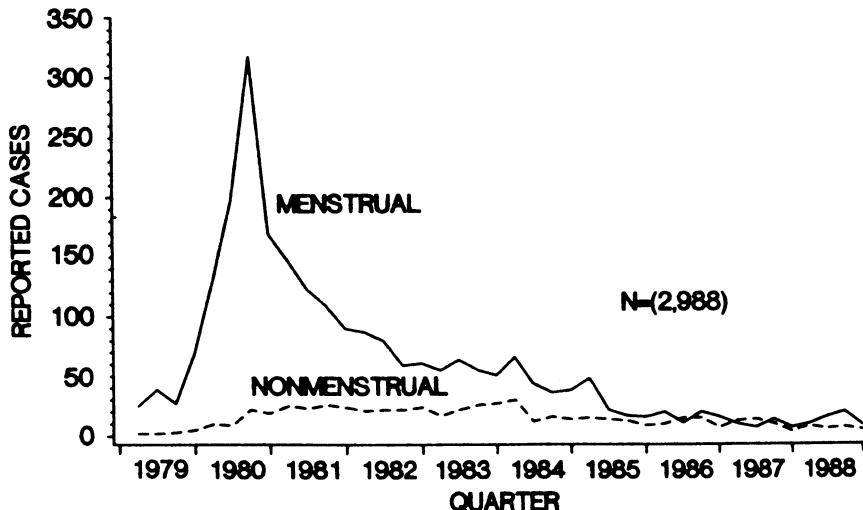


*Under 1 year of age.

TETANUS — By year, United States, 1955-1988**TETANUS — By age group, United States, 1988**

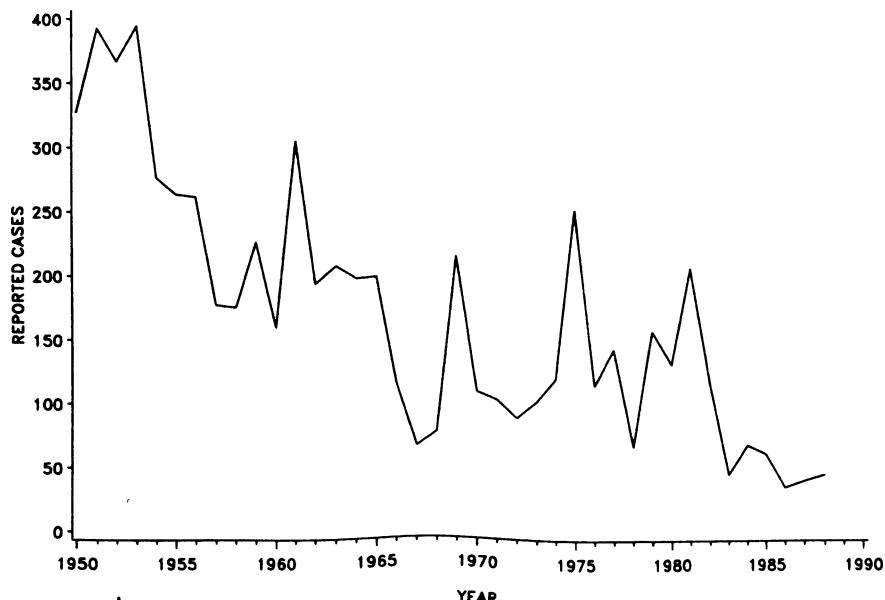
GRAPHS AND MAPS

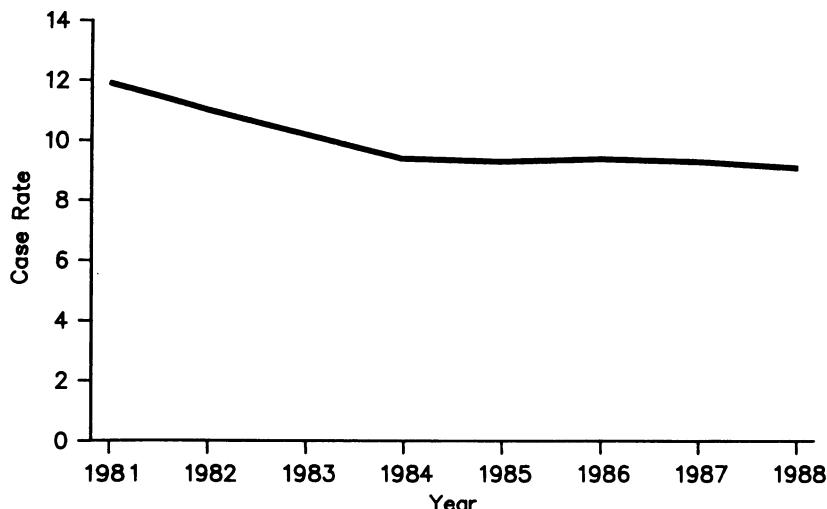
TOXIC-SHOCK SYNDROME – By quarter, United States, 1979-1988*



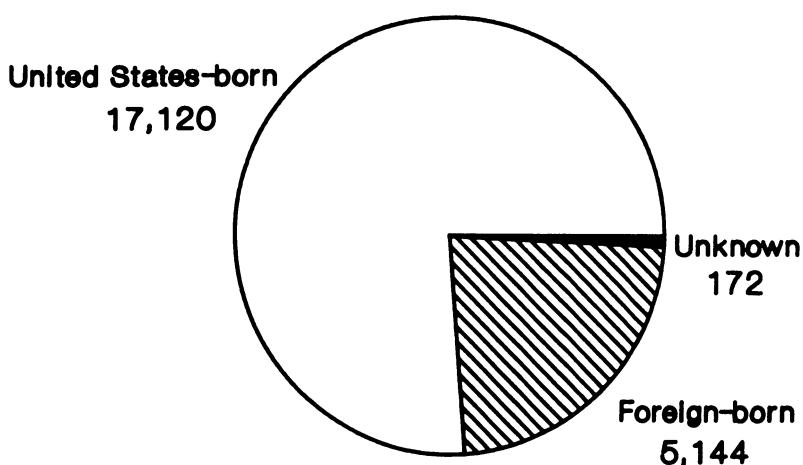
*Includes only cases meeting the CDC case definition.

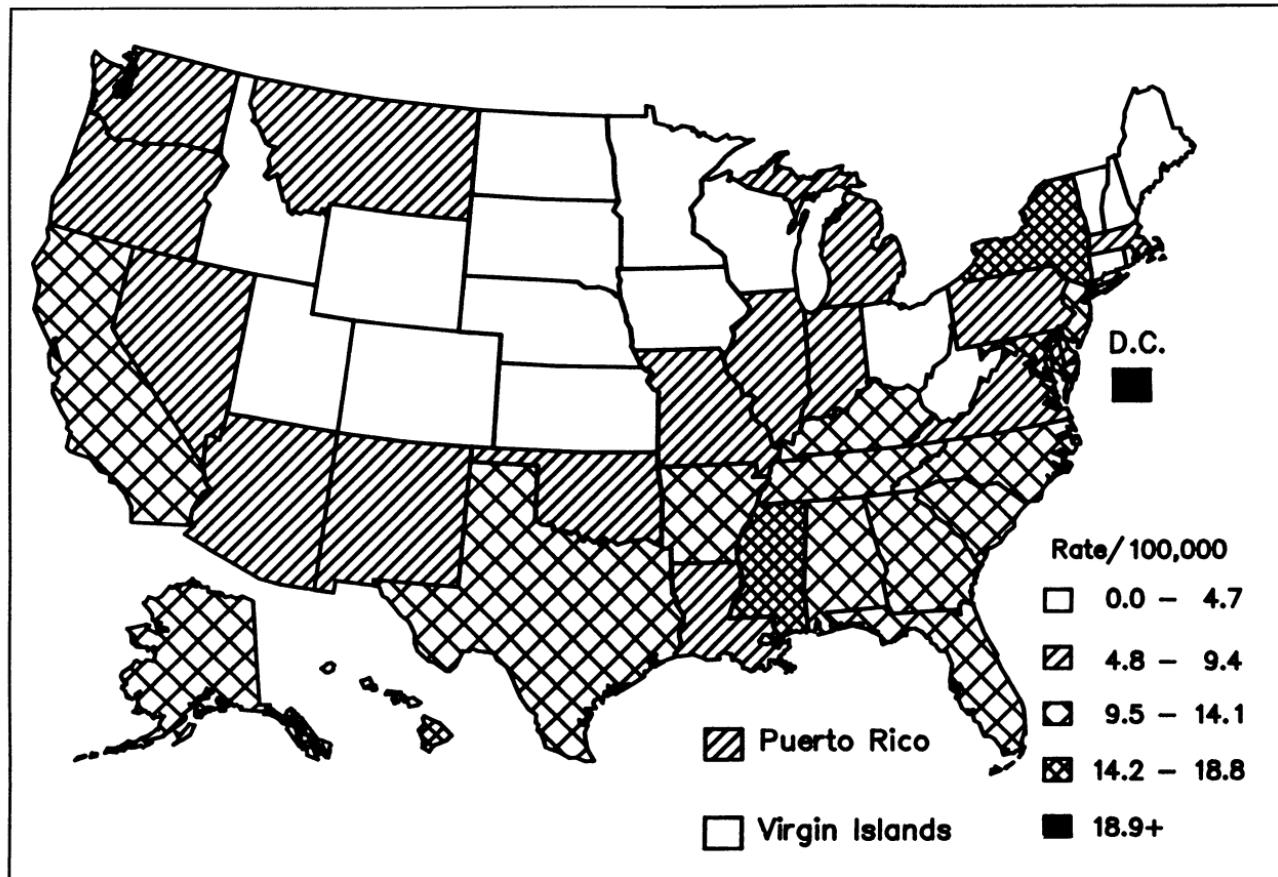
TRICHINOSIS – By year, United States, 1950-1988

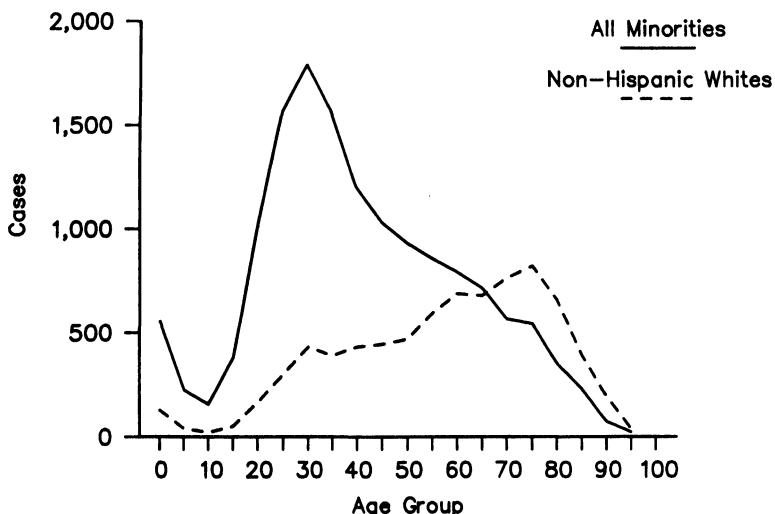
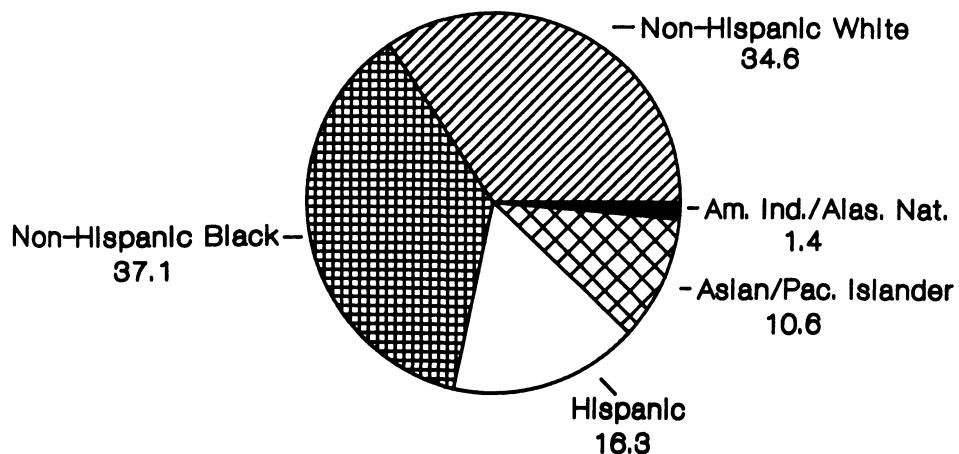


TUBERCULOSIS — Case rates, United States, 1981-1988

Rate per 100,000 population.

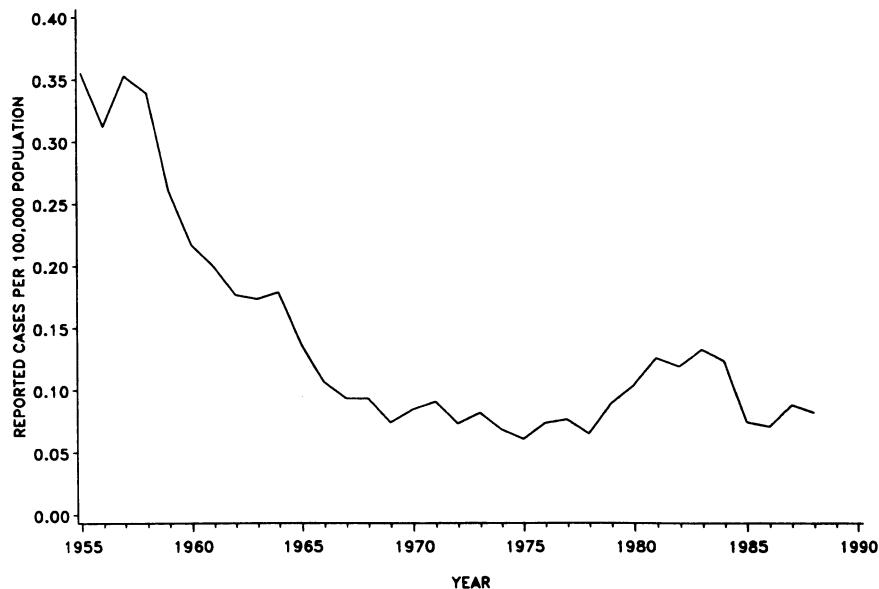
TUBERCULOSIS — Cases, United States-born and foreign-born, 1988

TUBERCULOSIS — Rates, by state, United States, 1988

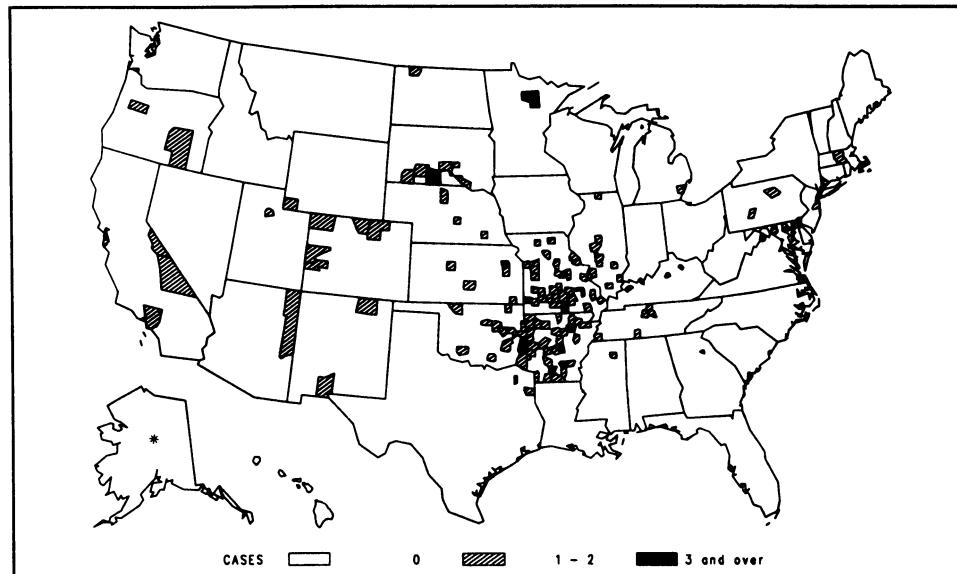
TUBERCULOSIS — Frequency distribution of cases by age, race, and ethnicity, United States, 1988**TUBERCULOSIS — Percentage of cases by race and ethnicity, United States, 1988**

GRAPHS AND MAPS

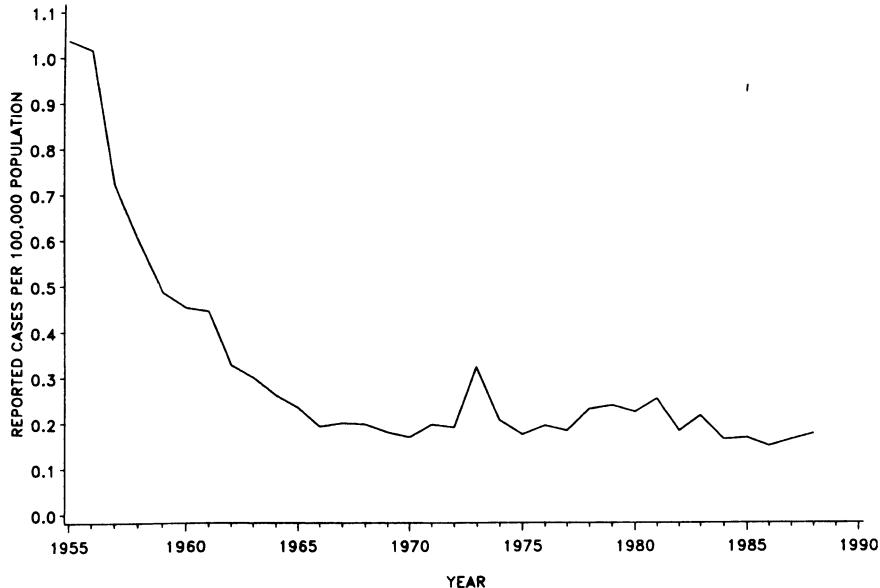
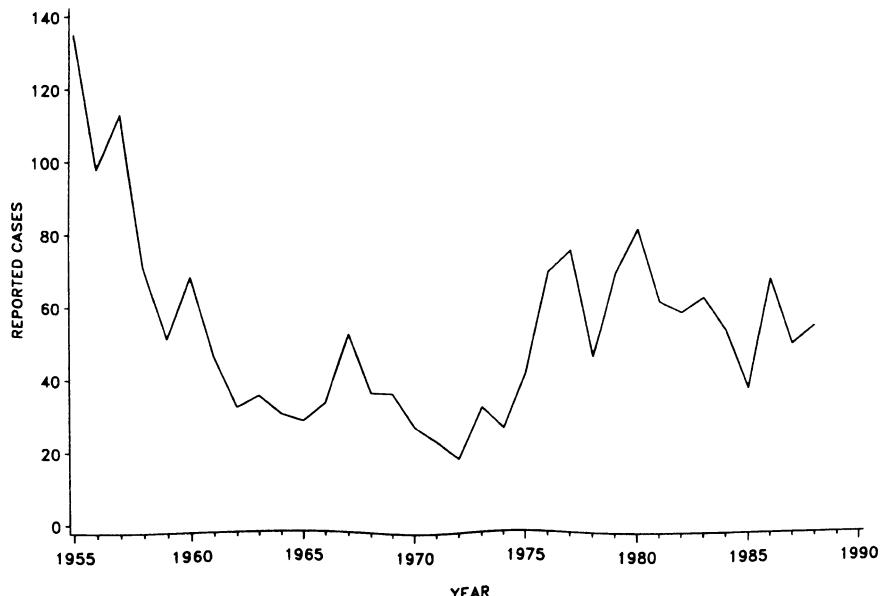
TULAREMIA – By year, United States, 1955-1988



TULAREMIA – Reported cases, by county, United States, 1988

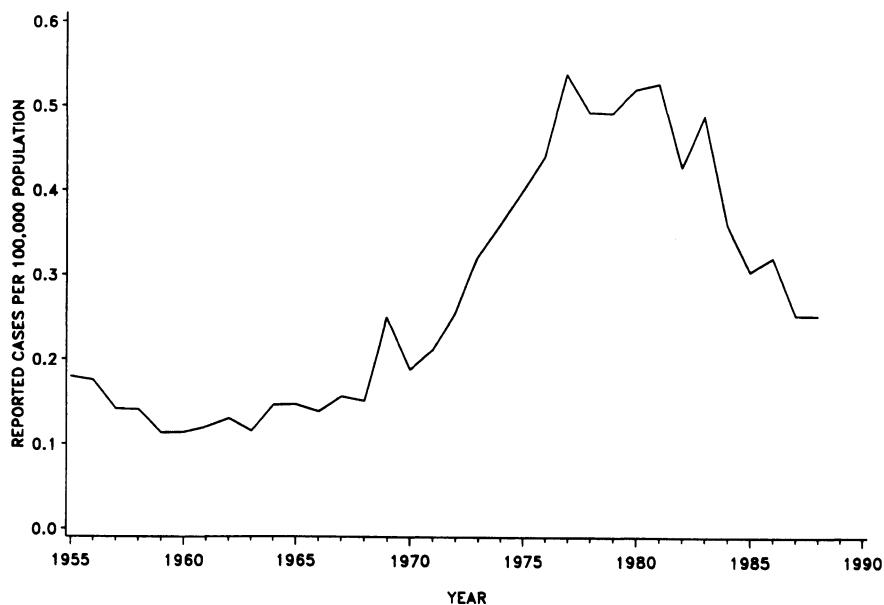


*2 cases reported.

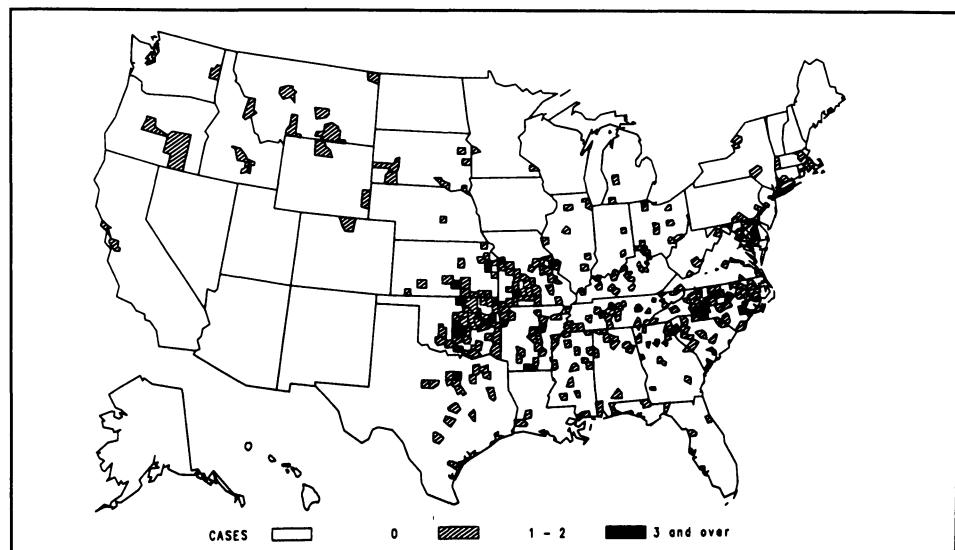
TYPHOID FEVER — By year, United States, 1955-1988**TYPHUS FEVER, FLEA-BORNE (endemic, murine) — By year, United States, 1955-1988**

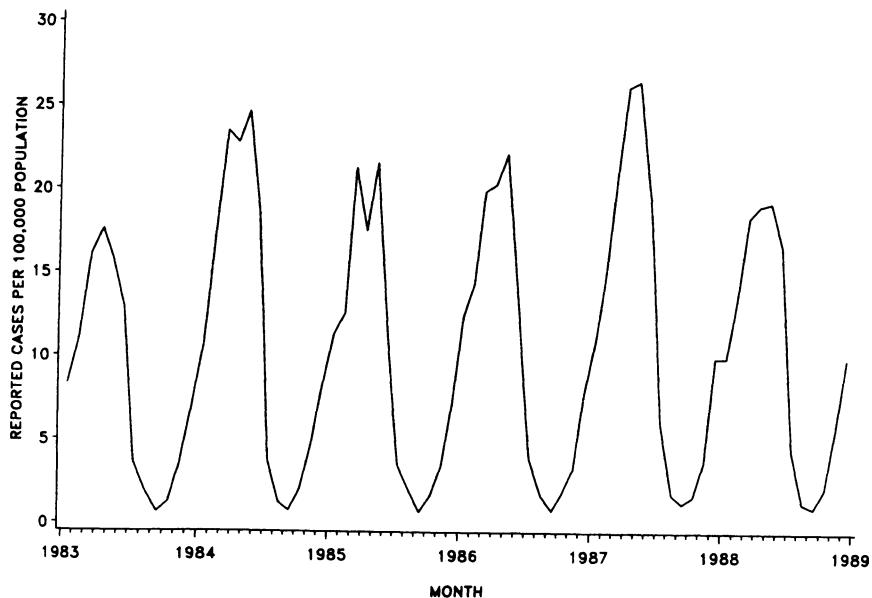
GRAPHS AND MAPS

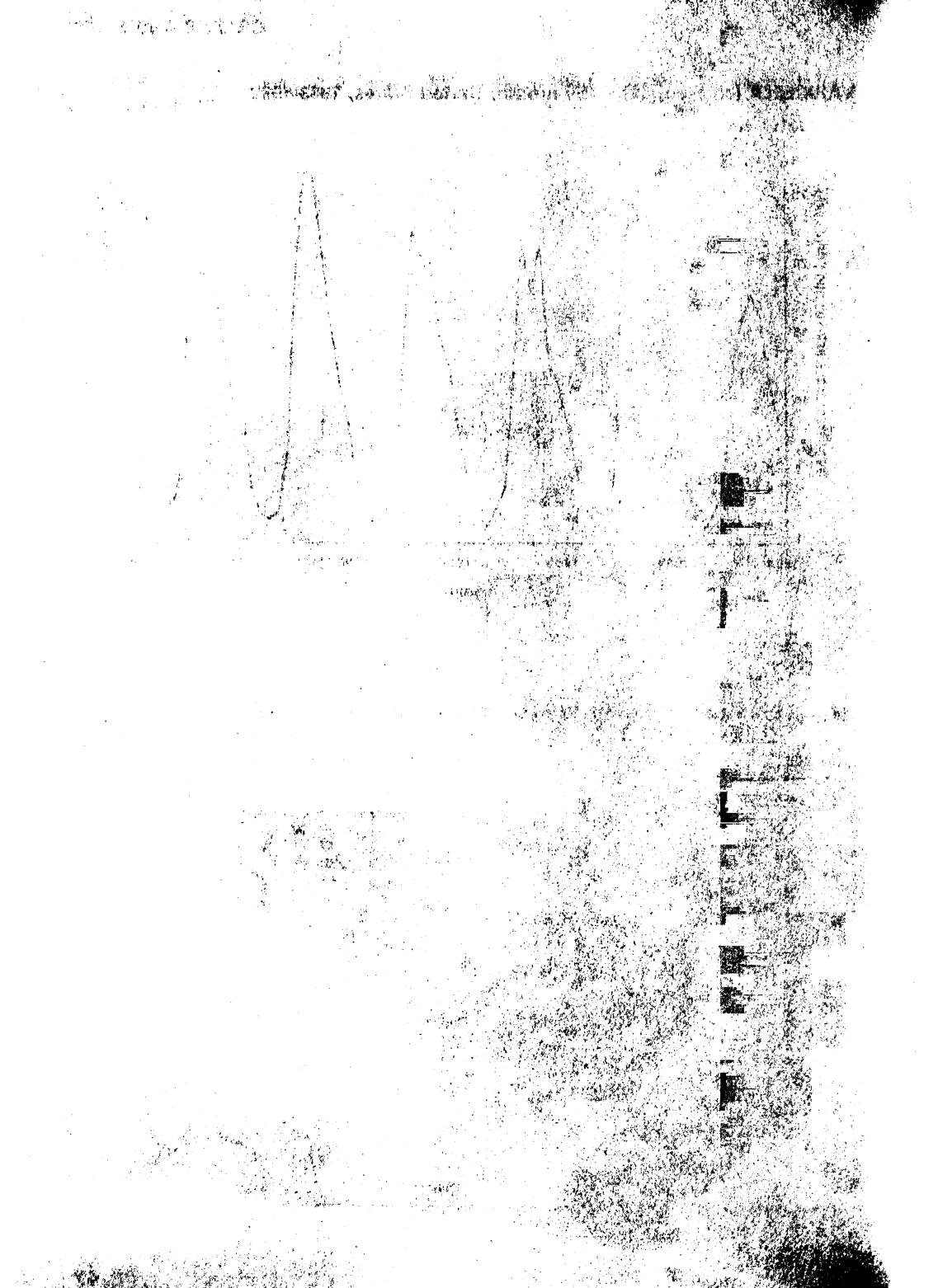
TYPHUS FEVER, TICK-BORNE (Rocky Mountain spotted fever) – By year, United States, 1955-1988



TYPHUS FEVER, TICK-BORNE (Rocky Mountain spotted fever) – Reported cases by county, United States, 1988



VARICELLA (chickenpox) — By month, United States, 1983-1988



PART 3:

Historical Summary Tables

etnia

l'origine

l'identité

la culture

TABLE 1. NOTIFIABLE DISEASES -- Summary of reported cases, United States, 1979-1988

Disease	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
U.S. total resident population (in thousands)	245,807	243,400	241,078	238,740	236,158	233,981	231,534	229,307	226,505	220,099
1980 census; July 1 est. 1977-1979, 1981-1988										
Acquired immunodeficiency syndrome (AIDS)	31,001	21,070	12,932	8,249	4,445	—	—	—	—	*
Amebiasis	2,860	3,123	3,532	4,433	6,658	7,304	6,632	5,271	4,107	—
Anthrax	2	1	—	—	1	—	—	—	1	—
Aseptic meningitis	7,234	11,487	11,374	10,619	8,326	12,696	9,680	9,547	8,028	8,754
Botulism, total (including wound and unsp.)	84	82	109	122	123	133	97	103	89	45
Food-borne	28	17	23	49	19	50	33	22	18	12
Infant	50	59	79	70	99	79	61	76	68	25
Brucellosis (undulant fever)	96	129	106	153	131	200	173	185	183	215
Chancroid†	5,001	4,998	3,756	2,067	665	847	1,392	850	788	840
Cholera	8	6	23	4	1	1	—	19	9	1
Diphtheria	2	3	—	3	1	5	2	5	3	59
Encephalitis, primary§	882	1,418	1,302	1,376	1,257	360	374	317	323	312
Indeterminate§	NA	NA	NA	NA	NA	1,401	1,090	1,175	1,039	1,192
Post-infectious§	121	121	124	161	108	34	36	43	40	84
Gonorrhea*	719,536	780,905	900,868	911,419	878,556	900,435	960,633	990,864	1,004,029	1,004,058
Granuloma inguinale†	11	22	61	44	30	24	17	66	51	76
Hepatitis A	28,507	25,280	23,430†	23,210†	22,040	21,532	23,403	25,802	29,087	30,407
Hepatitis B	23,177	25,916	26,107†	26,611†	26,115	24,318	22,177	21,152	19,015	15,452
Hepatitis non-A, non-B	2,619	2,999	3,634†	4,184†	3,871	3,470	2,629	—	—	—
Hepatitis, unspecified	2,470	3,102	3,940†	5,517†	5,531	7,149	8,584	10,975	11,894	10,534
Legionellosis**	1,085	1,038	948	830	750	852	654	408	475	593
Leprosy	184	238	270	361	290	259	250	256	223	185
Leptospirosis	54	43	41	57	40	61	100	82	85	94
Lymphogranuloma venereum†	185	303	396	226	170	335	235	263	199	250
Malaria	1,099	944	1,123	1,049	1,007	813	1,056	1,388	2,062	894
Measles (rubella)	3,396	3,655	6,282	2,822	2,587	1,497	1,714	3,124	13,506	13,597
Meningococcal infections, total	2,964	2,930	2,594	2,479	2,746	2,736	3,056	3,355	2,840	2,724
Mumps	4,866	12,848	7,790	2,982	3,021	3,355	5,270	4,941	8,576	14,225
Pertussis (whooping cough)	3,450	2,823	4,195	3,589	2,276	2,463	1,855	1,248	1,730	1,623
Plague	15	12	10	17	31	40	19	13	18	13
Poliomyelitis, total	9	6	10	7	8	15	8	6	9	34
Paralytic††	9	6	10	7	8	15	8	6	8	26
Poxvirus	114	98	224	119	172	142	152	136	124	137
Rabies, animal	4,651	4,658	5,504	5,565	5,567	5,878	6,212	7,118	6,421	5,119
Rabies, human	—	1	—	1	3	2	2	—	—	4
Rheumatic fever, acute	158	141	147	90	117	88	137	264	432	629
Rubella (German measles)	225	306	551	630	752	970	2,325	2,077	3,904	11,795
Rubella congenital syndrome	6	5	14	—	5	22	7	19	50	62
Salmonellosis (excluding typhoid fever)	48,948	50,916	49,984	65,347	40,861	44,250	40,936	39,990	33,715	33,138
Shigellosis	30,617	23,860	17,138	17,057	17,371	19,719	18,129	19,859	19,041	20,135
Syphilis, primary and secondary†	40,117	35,147	27,883	27,131	28,607	32,698	33,613	31,266	27,204	24,874
Total all stages†	103,437	86,545	68,215	67,563	69,888	74,637	75,759	72,799	68,832	67,049
Tetanus	53	48	54	54	54	81	88	72	95	81
Toxic-shock syndrome	390	372	412	384	482	502	—	—	—	—
Trichinosis	45	40	39	61	68	45	115	206	131	157
Tuberculosis§§	22,436	22,517	22,768	22,201	22,255	23,846	25,520	27,373	27,749	27,669
Tularemia	201	214	170	177	291	310	275	288	234	196
Type B dengue fever (cases)	436	400	362	402	390	507	425	584	510	528
(Carriers)	NA	NA	53	61	54	61	60	73	62	71
Typhus fever, flea-borne (endemic, murine)	54	49	67	37	53	62	58	61	81	69
Typhus fever, tick-borne (Rocky Mountain spotted)	609	604	760	714	838	1,126	976	1,192	1,163	1,070
Varicella (chickenpox)	192,857	213,196	183,243	178,162	221,983	177,462	167,423	200,766	190,894	199,081
Yellow fever	—	—	—	—	—	—	—	—	—	—

*Not previously notifiable nationally.

†Civilian cases only.

‡Data for 1984-1988 reflects change in categories for tabulating encephalitis reports. Cases for 1984-1988 are recorded by date of report to state health departments.

Data for previous years are from surveillance records reported by onset date.

§Reports from New York City are not available.

**Data for 1982-1988 recorded by date of report to state health departments. Data for all previous years are from surveillance records reported by onset date.

††Annual case reports from state health departments prior to 1986; numbers may not reflect changes based on retrospective case evaluations or late reports (See MMWR 1986;35:180-182). Data for 1986 and 1987 updated due to late reports.

§§Case data subsequent to 1974 are not comparable to prior years due to changes in reporting criteria which became effective in 1975.

TABLE Cases per 100,000 population United States, 1979-1988

Disease	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
Acquired immunodeficiency syndrome (AIDS)	12.61	8.66	5.36	3.46	1.88	.....	.....	*	.....	1.90
Amebiasis	1.20	1.33	1.47	1.92	2.30	2.95	3.23	2.96	2.38	0.00
Anthrax	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aseptic meningitis	2.94	4.72	4.72	4.50	3.57	5.49	4.18	4.16	3.61	4.05
Botulism, total	0.03	0.03	0.05	0.05	0.05	0.06	0.04	0.04	0.04	0.02
Food-borne	0.01	0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01
Infant	0.02	0.02	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.01
Brucellosis (undulant fever)	0.04	0.05	0.04	0.06	0.06	0.09	0.07	0.08	0.08	0.10
Chancroid	2.04	2.07	1.57	0.87	0.28	0.36	0.60	0.37	0.35	0.38
Cholera	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Diphtheria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Encephalitis, primary	0.36	0.58	0.54	0.58	0.53	0.15	0.16	0.14	0.14	0.15
Post-infectious	0.05	0.05	0.05	0.07	0.05	0.01	0.02	0.02	0.02	0.04
Gonorrhea	298.74	323.14	376.37	384.51	374.75	387.64	417.45	434.84	444.99	450.31
Granuloma inguinale	0.00	0.01	0.03	0.01	0.01	0.01	0.01	0.03	0.02	0.03
Hepatitis A	11.60	10.39	10.02	10.03	9.33	9.20	10.11	11.25	12.84	13.82
Hepatitis B	9.43	10.65	11.17	11.50	11.06	10.39	9.58	9.22	8.39	7.02
Hepatitis non-A non-B	1.07	1.23	1.55	1.81	1.64	1.66	1.39	.....	.....	.....
Hepatitis, unspecified	1.00	1.27	1.69	2.38	2.34	3.09	3.70	4.79	5.25	4.79
Legionellosis	0.44	0.43	0.43	0.37	0.35	0.43	0.35	0.18	0.21	0.27
Leprosy	0.07	0.10	0.11	0.15	0.12	0.11	0.11	0.11	0.10	0.08
Leptospirosis	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.04	0.04
Lymphogranuloma venereum	0.07	0.13	0.16	0.10	0.07	0.14	0.10	0.12	0.09	0.11
Malaria	0.45	0.39	0.47	0.44	0.43	0.35	0.46	0.61	0.91	0.41
Measles (rubeola)	1.38	1.50	2.61	1.18	1.10	0.64	0.74	1.36	5.96	6.18
Meningococcal infections, total	1.21	1.20	1.08	1.04	1.16	1.17	1.32	1.54	1.25	1.24
Mumps	2.05	5.43	3.37	1.30	1.32	1.55	2.46	2.20	3.86	6.55
Pertussis (whooping cough)	1.40	1.16	1.74	1.50	0.96	1.05	0.82	0.54	0.76	0.74
Plague	0.01	0.00	0.00	0.01	0.01	0.02	0.01	0.01	0.01	0.01
Poliomyelitis, total	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02
Paralytic	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01
Psittacosis	0.05	0.04	0.09	0.05	0.07	0.06	0.07	0.06	0.05	0.06
Rabies, human	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rheumatic fever, acute	0.14	0.13	0.12	0.07	0.08	0.06	0.09	0.17	0.30	0.44
Rubella (German measles)	0.09	0.13	0.23	0.26	0.32	0.41	1.00	0.91	1.72	5.36
Rubella congenital syndrome [†]	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.02
Salmonellosis, excluding typhoid fever	19.91	20.92	20.73	27.37	17.30	18.91	17.68	17.44	14.88	15.06
Shigellosis	12.46	9.80	7.11	7.14	7.36	8.43	7.83	8.66	8.41	9.15
Smallpox	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Syphilis, primary and secondary	16.43	14.54	11.65	11.45	12.20	14.08	14.61	13.72	12.06	11.16
Total all stages	42.37	35.81	28.50	28.50	29.81	32.13	32.84	31.95	30.51	30.07
Tetanus	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.03	0.04	0.04
Toxic-shock syndrome	0.16	0.15	0.19	0.18	0.24	0.24	.....	.....	*	0.07
Trichinosis	0.02	0.02	0.02	0.03	0.03	0.02	0.05	0.10	0.06	0.07
Tuberculosis	9.13	9.25	9.44	9.30	9.42	10.19	11.02	11.94	12.25	12.57
Tularemia	0.08	0.09	0.07	0.07	0.12	0.13	0.12	0.13	0.10	0.09
Typhoid fever (cases)	0.18	0.16	0.15	0.17	0.17	0.22	0.18	0.25	0.23	0.24
(Carriers)	N/A	N/A	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Typhus fever, flea-borne (endemic, murine)	0.02	0.02	0.03	0.02	0.02	0.03	0.03	0.03	0.04	0.03
Typhus fever, tick-borne (Rocky Mountain spotted)	0.25	0.25	0.32	0.30	0.36	0.48	0.42	0.52	0.52	0.49
Varicella (chickenpox)	122.43	136.68	122.42	123.23	138.44	99.65	94.37	100.48	96.69	102.93
Yellow fever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Note: Rates less than 0.01 after rounding are shown as 0.00.

Population data from those states where diseases were not notifiable (NN) or not available (NA) were excluded from rate calculation. Civilian resident population was used for chancroid, gonorrhea, granuloma inguinale, lymphogranuloma venereum, and syphilis.

*Not previously notifiable nationally.

†Per 1,000 live births.

TABLE 3. NOTIFIABLE DISEASES--Summary of reported cases, United States, 1969-1978

Disease	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969
U.S. total resident population, July 1, estimate (in thousands)	218,059	216,332	214,659	213,121	211,390	209,851	208,232	206,256	203,805	201,385
Amebiasis	3,937	3,044	2,906	2,775	2,743	2,235	2,199	2,752	2,888	2,915
Anthrax	6	—	2	2	2	2	2	5	2	4
Aseptic meningitis	6,573	4,789	3,510	4,475	3,197	4,846	4,634	5,176	6,480	3,672
Botulism	105	129	55	20	28	34	22	25	12	16
Brucellosis (undulant fever)	179	232	296	310	240	202	196	183	213	235
Chancroid	521	455	628	700	945	1,165	1,414	1,320	1,416	1,104
Cholera	12	3	—	—	—	1	—	1	—	—
Diphtheria	76	84	128	307	272	228	152	215	435	241
Encephalitis, primary	1,351	1,414	1,651	4,064	1,164	1,613	1,059	1,524	1,580	1,613
Encephalitis, post-infectious	78	119	175	237	218	354	243	439	370	304
Gonorrhea	1,013,436	1,002,219	1,001,994	999,937	906,121	842,621	767,215	670,268	600,072	534,872
Granuloma inguinale	72	75	71	60	47	62	81	89	124	154
Hepatitis, serum	15,016	16,831	14,973	13,121	10,631	8,451	9,402	9,556	8,310	5,909
Hepatitis, infectious	29,500	31,153	33,288	35,855	40,358	50,749	54,074	59,606	56,797	48,416
Hepatitis, unspecified	8,776	8,639	7,488	7,158	8,351	.....	.....	.....	.....	.....
Legionellosis	761	359	235	.....	.....	.....	*	.....	.....	.....
Leprosy	168	151	145	162	118	146	130	131	129	98
Leptospirosis	110	71	73	93	68	57	41	62	47	89
Lymphogranuloma venereum	284	348	365	353	394	408	756	692	612	520
Malaria	731	547	471	373	293	237	742	2,375	3,051	3,102
Measles (rubeola)	26,871	57,345	41,126	24,374	22,094	26,690	32,275	75,290	47,351	25,826
Meningococcal infections	2,505	1,828	1,605	1,478	1,346	1,378	1,323	2,262	2,505	2,951
Mumps	16,817	21,436	38,492	59,647	59,128	69,612	74,215	124,939	104,953	90,918
Pertussis (whooping cough)	2,063	2,177	1,010	1,738	2,402	1,759	3,287	3,036	4,249	3,285
Plague	12	18	16	20	8	2	1	2	13	5
Poliomyelitis, total	15	18	14	8	7	8	31	21	33	20
Paralytic	9	17	12	8	7	7	29	17	31	18
Psittacosis	140	94	78	49	164	33	52	32	35	57
Rabies, animal	3,254	3,130	3,073	2,827	3,151	3,640	4,369	4,310	3,224	3,490
Rabies, human	4	1	2	2	—	1	2	2	3	1
Rheumatic fever, acute	851	1,738	1,865	2,854	2,431	2,580	2,614	2,793	3,227	3,229
Rubella (German measles)	18,269	20,395	12,491	16,652	11,917	27,804	25,507	45,086	56,552	57,686
Rubella congenital syndrome	30	23	30	30	45	35	42	68	77	31
Salmonellosis, excluding typhoid fever	29,410	27,850	22,937	22,612	21,980	23,818	22,151	21,928	22,096	18,419
Shigellosis (bacillary dysentery)	19,511	16,052	13,140	16,584	22,600	22,642	20,207	16,143	13,845	11,946
Smallpox	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Streptococcal sore throat and scarlet fever	NN	NN	NN	NN	NN	NN	NN	NN	433,405	450,008
Syphilis, primary and secondary	21,656	20,399	23,731	25,561	25,385	24,825	24,429	23,783	21,982	19,130
Total, all stages	64,875	64,621	71,761	80,356	83,771	87,469	91,149	95,997	91,382	92,162
Tetanus	86	87	75	102	101	101	128	116	148	192
Trichinosis	67	143	115	252	120	102	89	103	109	215
Tuberculosis (newly reported active cases) [†]	28,521	30,145	32,105	33,989	30,122	30,998	32,882	35,217	37,137	39,120
Tularemia	141	165	157	129	144	171	152	187	172	149
Typhoid fever	505	398	419	375	437	680	398	407	346	364
Typhus fever, flea-borne (endemic, murine)	46	75	69	41	26	32	18	23	27	36
Typhus fever, tick-borne (Rocky Mountain spotted)	1,063	1,153	937	844	754	668	523	432	380	498
Varicella (chickenpox)	154,089	188,396	183,990	154,248	141,495	182,927	164,114	.....	.....	.....
Yellow fever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
					
						Last indigenous case reported 1911, last imported 1924				

Incomparable to prior years due to changes in reporting criteria which became effective in 1975.

TABLE 4. NOTIFIABLE DISEASES — Summary of reported cases, United States, 1959-1968
 (Figures exclude Alaska 1958 and Hawaii, for 1959.)

Disease	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959
U.S. total resident population, July 1, estimate (in thousands)	199,399	197,457	195,576	193,526	191,141	188,483	185,771	182,992	179,379	176,513
Amebiasis	3,005	3,157	2,921	2,768	3,304	2,886	3,048	2,850	3,424	3,508
Anthrax	3	2	5	7	5	3	9	14	23	12
Aseptic meningitis	4,494	3,082	3,058	2,329	2,177	1,844	2,654	5,162 ¹	1,593	*
Botulism	7	5	9	19	23	47	10	14	12	20
Brucellosis (undulant fever)	218	265	262	262	411	407	409	636	751	892
Chancroid	845	784	838	982	1,247	1,220	1,344	1,438	1,680	1,537
Cholera	—	—	—	2	—	—	—	—	—	—
Diphtheria	260	219	209	164	293	314	444	617	918	934
Encephalitis, acute infectious	2,283 [§]	2,538 [§]	3,085 [§]	2,703 [§]	3,587 [§]	1,993	2,094	2,248	2,341	2,437
Gonorrhea	464,543	404,836	351,738	324,925	300,666	278,289	263,714	264,158	258,933	240,254
Granuloma inguinale	156	154	148	155	135	173	207	241	296	265
Hepatitis, infectious and serum	50,722	41,367	34,356	33,856	37,740	42,974	53,016	72,651	41,666	23,574
Leprosy	123	81	109	96	97	103	80	63	54	44
Leptospirosis	69	67	72	84	142	89	79	71	53	83
Lymphogranuloma venereum	485	371	308	878	732	586	590	787	835	604
Malaria	2,317	2,022	565	147	93	99	118	73	72	71
Measles (rubeola)	22,231	62,705	204,136	261,904	458,083	385,156	481,530	423,919	441,703	406,162
Meningococcal infections	2,623	2,161	3,381	3,040	2,826	2,470	2,150	2,232	2,259	2,180
Mumps	152,209	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pertussis (whooping cough)	4,810	9,718	7,717	6,799	13,005	17,135	17,749	11,468	14,809	40,005
Plague	3	3	5	8	—	1	—	3	2	4
Poliomyelitis	53	41	113	72	122	449	910	1,312	3,190	8,425
Paralytic	53	40	106	61	106	396	762	988	2,525	6,289
Psittacosis	43	41	50	60	53	76	79	102	113	147
Rabies, human ¹	1	2	1	2	1	1	2	3	2	7
Rabies, animal	3,591	4,481	4,178	4,574	4,780	3,929	3,732	3,599	3,567	4,177
Rheumatic fever, acute	3,470	3,985	4,472	4,998	7,491	7,561	7,977	10,470	9,022	8,285
Rubella (German Measles) ¹	49,371	46,888	46,975	.....	.....	.....	.....	.....	.....	.....
Rubella congenital syndrome [†]	14	10	11	—	—	—	—	—	—	—
Salmonellosis, excluding typhoid fever	16,514	18,120	16,841	17,161	17,144	15,390	9,680	8,542	6,929	6,606
Shigellosis	12,180	13,474	11,888	11,027	12,984	13,009	12,443	12,571	12,487	12,888
Smallpox	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Streptococcal sore throat and scarlet fever	435,013	453,351	427,752	395,168	402,334	342,161	315,809	338,410	315,173	334,715
Syphilis, primary and secondary	19,019	21,053	21,414	23,338	22,969	22,251	21,067	19,851	16,145	9,799
Total, all stages	96,271	102,581	105,159	112,842	114,325	124,137	126,245	124,658	122,538	120,824
Tetanus	178	263	235	300	289	325	322	379	368	445
Trichinosis	77	66	115	199	198	208	194	306	160	227
Tuberculosis**	42,623	45,647	47,767	49,016	50,874	54,042	53,315	53,726	55,494	57,535
Tularemia	186	184	208	264	342	327	328	365	390	459
Typhoid fever	395	396	378	454	501	566	608	814	816	859
Typhus fever, flea-borne (endemic, murine)	36	52	33	28	30	35	32	46	68	51
Typhus fever, tick-borne (Rocky Mountain spotted)	298	305	268	281	277	216	240	219	204	199
Yellow fever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

*Not previously notifiable nationally.

[†]Includes meningitis, other, for some states.

[§]Includes primary and post-infectious.

¹Registered deaths, 1959-1960.

^{**}Includes new active cases.

..... Last indigenous case reported 1911; last imported, 1924

TABLE 5. NOTIFIABLE DISEASES — Summary of reported cases, United States, 1949-1958
 (Figures exclude Alaska and Hawaii for 1958.)

Disease	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949
U.S. total resident population, July 1, estimate (in thousands)	173,320	170,371	167,306	164,308	161,164	158,242	155,687	153,310	151,235	148,665
Amebiasis	4,380	5,031	3,689	3,348	3,523	4,444	4,280	3,550	4,568	5,543
Anthrax	16	26	38	39	22	45	47	60	49	54
Botulism	6	28	17	16	18	18	18	33	20	24
Brucellosis (undulant fever)	924	983	1,300	1,444	1,823	2,032	2,537	3,139	3,510	4,235
Chancroid	1,595	1,637	2,135	2,649	3,003	3,338	3,738	4,233	4,977	6,707
Cholera	—	—	—	—	—	—	—	—	—	—
Dengue	—	—	2	1	6	8	5	16	26	46
Diphtheria	918	1,211	1,568	1,984	2,041	2,355	2,960	3,983	5,796	7,969
Encephalitis, acute infectious	2,587	2,135	2,624	2,166	2,606	1,935	1,912	1,123	1,135	903
Gonorrhea	232,386	214,496	224,346	236,197	242,050	238,340	244,957	254,470	286,746	317,950
Granuloma inguinale	314	348	357	490	618	667	951	1,352	1,783	2,402
Hepatitis, infectious*	16,294	14,922	19,234	31,961	50,093	33,700	17,428	7,349	2,820	2,027
Leprosy	39	36	52	75	56	60	57	57	44	41
Leptospirosis	55	47	44	24	48	42	62	9	30	17
Lymphogranuloma venereum	434	448	500	762	875	983	1,200	1,300	1,427	1,925
Malaria	85	132	234	522	715	1,310	7,023	5,600	2,184	4,151
Measles	763,094	486,799	611,936	555,156	682,720	449,146	683,077	530,118	319,124	625,281
Meningococcal infections	2,581	2,691	2,735	3,455	4,436	5,077	4,884	4,164	3,788	3,519
Pertussis (whooping cough)	32,148	28,295	31,732	62,786	60,886	37,129	45,030	68,687	120,718	69,479
Plague	—	1	1	—	—	—	—	1	3	3
Poliomyelitis, total	5,787	5,485	15,140	28,985	38,476	35,592	57,879	28,386	33,300	42,033
Paralytic	3,697	2,499	7,911	13,850	18,308	15,648	21,269	10,037	NA	NA
Psittacosis	158	278	568	334	563	169	135	25	26	35
Rabies, human†	5	5	10	4	13	12	24	18	18	10
Rabies, animal‡	4,787	4,542	5,681	5,799	7,297	8,903	8,445	8,008	7,901	7,587
Rheumatic fever, acute	6,889	6,427	6,562	—	—	—	1	—	—	—
Salmonellosis, excluding typhoid fever	6,363	6,693	6,704	5,447	5,375	3,946	2,596	1,773	1,233	1,243
Shigellosis (bacillary dysentery)	11,861	9,822	10,306	13,912	13,846	16,533	23,197	32,215	23,367	29,080
Smallpox	—	—	—	—	—	—	—	—	—	49
Streptococcal sore throat and scarlet fever	264,097	226,973	176,392	147,502	147,785	132,935	113,677	84,151	64,494	87,220
Syphilis, primary and secondary	7,176	6,576	6,392	6,454	7,147	8,637	10,449	14,485	23,939	41,942
Total, all stages	113,884	123,758	130,201	122,392	130,697	148,573	167,762	174,924	217,558	256,463
Tetanus	445	447	468	462	524	506	484	506	486	579
Trichinosis	176	178	262	264	277	395	367	393	327	353
Tuberculosis**	63,534	67,149	69,895	77,368	79,775	84,304	86,700	118,491	121,742	134,865
Tularemia	587	601	522	584	681	601	668	702	927	1,179
Typhoid fever	1,043	1,231	1,700	1,704	2,169	2,252	2,341	2,128	2,484	2,795
Typhus fever, flea-borne (endemic, murine)	71	113	98	135	163	221	205	378	685	985
Typhus fever, tick-borne (Rocky Mountain spotted)	243	240	293	295	294	313	327	347	464	570
Yellow fever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
						..... Last indigenous case reported 1911; last imported, 1924				

*Data for 1953-1958 includes serum hepatitis.

†Registered deaths.

‡Data from Bureau of Animal Industry, U.S. Department of Agriculture, Agricultural Research Administration, 1949-1951.

§Not previously notifiable nationally.

**Includes newly reported active and inactive cases, 1949-1951; new active cases, 1952-1958.

TABLE 6. NOTIFIABLE DISEASES — Summary of reported cases, United States, 1939-1948

Disease	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939
U.S. total resident population, July 1, estimate (in thousands)	146,093	143,446	140,054	132,481	132,885	134,245	133,920	133,121	131,954	130,880
Amebiasis	4,871	3,365	4,093	3,412	3,241	3,329	2,721	3,201	3,033	3,001
Anthrax	60	69	40	40	49	72	94	104	76	54
Botulism	39	44					NA			
Brucellosis (undulant fever)	4,991	6,321	5,887	5,049	4,436	3,733	3,228	3,484	3,310	3,501
Chancroid*	7,661	9,515	7,091	5,515	7,878	8,354	5,477	3,384	NA	NA
Cholera										—
Dengue	24	35	40	106	61	123	171	600	66	144
Diphtheria	9,493	12,262	16,354	18,675	14,150	14,811	16,260	17,987	15,536	24,053
Encephalitis, acute infectious	730	785	728	785	788	771	666	3,516	1,030	928
Gonorrhea*	345,501	380,666	368,020	287,181	300,676	275,070	212,403	193,468	175,841	182,314
Granuloma inguinale*	2,469	2,330	2,232	1,857	1,759	1,748	1,278	639	NA	NA
Hepatitis, infectious	709	1,092				NA				
Leprosy	63	56	43	40	37	35	70	NA	NA	NA
Leptospirosis	18	14				NA				
Lymphogranuloma venereum*	2,429	2,526	2,603	2,631	2,858	2,593	1,888	1,381	NA	NA
Malaria	9,606	15,116	48,610	62,763	57,626	54,554	60,077	68,074	78,129	82,654
Measles	615,104	222,375	659,843	146,013	630,291	633,627	547,413	894,134	291,162	403,317
Meningococcal infections	3,376	3,420	5,693	8,208	16,312	18,223	3,823	2,006	1,653	1,972
Pertussis (whooping cough)	74,715	156,517	109,860	133,792	109,873	191,890	191,383	222,202	183,866	183,188
Plague		1			1	1	1	2	1	1
Poliomyelitis, acute	27,726	10,827	25,698	13,624	19,029	12,450	4,167	9,086	9,804	7,343
Psittacosis	32	27	26	27	6	1	23	11	NA	NA
Rabies, human [†]	24	26	34	43	56	47	36	39	41	40
Rabies, animal [§]	8,495	8,920	10,850	9,928	10,487	9,649	7,137	7,847	7,210	9,365
Salmonellosis	882	951	723	649	712	731	504	NA	NA	NA
Shigellosis (bacillary dysentery)	23,753	17,048	24,286	34,943	38,230	31,590	25,572	18,972	17,501	16,537
Smallpox	57	176	337	346	397	765	865	1,396	2,795	9,877
Streptococcal sore throat and scarlet fever	91,295	93,595	125,611	185,570	200,539	150,362	135,755	139,424	165,766	173,162
Syphilis, primary and secondary*	68,174	93,545	94,957	77,007	78,443	82,204	75,312	68,231	NA	NA
Total, all stages*	314,313	355,592	963,647	359,114	467,755	575,593	479,601	485,560	472,900	478,738
Tetanus	601	560				NA				
Trichinosis	487	451				NA				
Tuberculosis [¶]	137,006	134,946	119,256	114,931	126,294	120,253	117,204	105,567	102,984	103,922
Tularemia	1,086	1,401	1,355	900	781	966	1,024	1,530	1,620	2,291
Typhoid fever**	2,840	3,075	3,268	4,211	4,599	4,690	5,595	8,601	9,809	13,069
Typhus fever, flea-borne (endemic, murine)	1,171	2,050	3,365	5,193	5,401	4,528	3,736	2,784	1,878	2,996
Typhus fever, tick-borne (Rocky Mountain spotted)	547	596	587	472	470	473	498	516	457	559
Yellow fever							Last indigenous case reported 1911; last imported, 1924			

*Data reported for fiscal years, 1939-1946.

[†]Registered deaths.[‡]Data from Bureau of Animal Industry, U.S. Department of Agriculture, Agricultural Research Administration.[§]Includes newly reported active and inactive cases.[¶]Includes cases of paratyphoid 1939-1941.

TABLE 7. NOTIFIABLE DISEASES — Deaths from specified notifiable diseases, United States, 1977-1986
(Numbers in ICD column refer to the category numbers listed in the Ninth Revision of the International Classification of Diseases, 1975.)

Cause of Death	ICD	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
AIDS*	279.1	10,900	6,040	2,943	1,141	N/A	N/A	N/A	N/A	N/A	N/A
Amebiasis	006	8	10	10	21	7	16	22	19	14	28
Anthrax	022	—	—	—	—	—	—	—	—	—	—
Botulism, foodborne	005.1	1	4	4	7	4	3	5	2	5	6
Brucellosis	023	1	1	—	—	2	1	—	2	3	—
Chancroid	099.0	—	—	—	—	—	—	—	—	—	—
Cholera	001	—	1	—	—	—	3	1	—	—	—
Diphtheria	032	—	—	—	—	1	—	1	1	4	5
Encephalitis, acute infectious†	062-064,049	230	153	168	169	166	164	188	172	185	206
Gonococcal infections	098	7	2	3	4	6	4	7	1	9	1
Granuloma inguinale	099.2	—	—	—	—	—	—	1	1	—	—
Hepatitis, viral, infectious (Hepatitis A)	070.0,070.1	65	80	77	82	83	93	112	129	—	—
Hepatitis, viral, serum (Hepatitis B)	070.2,070.3	557	490	465	438	375	359	294	260	508	508
Hepatitis, viral, other and unsp.	070.4-070.9	384	372	327	343	356	410	403	364	—	—
Leprosy	030	1	2	6	3	3	2	—	3	4	1
Leptospirosis	100	—	4	—	5	4	5	2	4	5	8
Lymphogranuloma venereum	099.1	—	3	—	—	1	1	1	1	—	—
Malaria	084	5	13	7	3	2	7	—	3	5	3
Measles (rubeola)	055	2	4	1	4	2	2	11	6	11	15
Meningococcal infection	036	286	257	300	299	364	459	387	404	403	338
Mumps	072	—	—	1	2	2	1	2	2	3	5
Pertussis (whooping cough)	033	6	4	7	5	4	6	11	6	6	10
Plague	020	—	1	3	5	3	3	5	2	—	—
Poliomyelitis	045.0-045.9	—	3	—	—	—	—	6	4	13	16
Bulbar or polioencephalitis	045.0	—	—	—	—	—	—	—	—	—	2
With other paralysis	045.1	—	—	—	—	—	—	2	1	1	2
Non-paralytic	045.2	—	—	—	—	—	—	—	—	—	—
Unspecified	045.9	—	3	—	—	—	—	4	3	12	12
Psittacosis (ornithosis)	073	—	1	—	1	—	—	—	—	1	—
Rabies	071	—	—	2	2	—	1	—	4	2	—
Rheumatic fever, acute	390-392	60	56	70	87	77	96	109	114	138	125
Rubella (German measles)	056	1	1	1	3	4	5	1	1	10	17
Salmonellosis, including paratyphoid fever	002.1-002.9,003	102	117	90	82	89	105	89	70	79	73
Shigellosis	004	4	17	8	9	9	11	15	19	20	25
Syphilis	090-097	80	80	105	121	126	136	154	180	169	196
Tetanus	037	22	23	20	22	22	31	28	30	32	24
Trichinosis	124	—	1	—	—	—	—	1	2	—	—
Tuberculosis (all forms)	010-018	1,782	1,752	1,729	1,779	1,807	1,937	1,978	2,007	2,914	2,968
Tularemia	021	4	3	2	1	2	1	3	2	—	2
Typhoid fever	002.0	2	—	—	3	2	2	2	3	2	3
Typhus fever, flea-borne (endemic-murine)	081.0	—	1	—	—	—	—	—	—	—	—
Typhus fever, tick-borne (Rocky Mountain spotted)	082.0	19	22	34	35	40	30	38	32	30	43
Varicella (chickenpox)	052	47	68	53	57	61	84	78	103	91	89

*Estimated from death certificates with mention of conditions coded to Deficiency of cell-mediated immunity (ICD-9 No. 279.1). Estimate includes other human immunodeficiency virus (HIV)-related deaths and other diseases classifiable as deficiency of cell-mediated immunity.

†Arthropod-borne encephalitis and other non-arthropod-borne viral diseases of the central nervous system.

Source: National Center for Health Statistics, CDC, National Vital Statistics System, 1977-1986. Deaths are classified according to the Eighth Revision, ICD, for 1977-1978 and according to the Ninth Revision, ICD, for 1979-1986. Discontinuities for some causes may result due to the introduction of the Ninth Revision.



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State and Territorial Epidemiologists and State Laboratory Directors are gratefully acknowledged for their contributions to this report. The persons listed below were in the positions shown as of September 1989.

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